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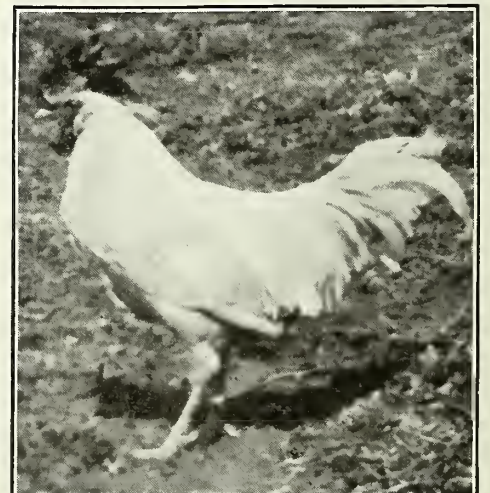
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130 Chick Brooder BOTH For

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If you wish toms or hens that have enormous bone and frame, fine trimmings, with brilliant bronze plumage; birds that have been bred for years and winners in our hands and customers' hand at Louisville, Cincinnati, Chicago, Boston, Seattle, Atlanta and Indianapolis, our birds will suit you. We are booking orders for early shows now. Fine "Nugget" strain Buff Plymouth Rocks of the finest quality—any number. Write us for prices and catalogue.

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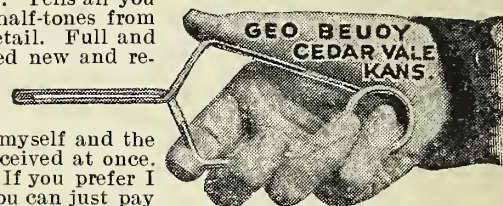
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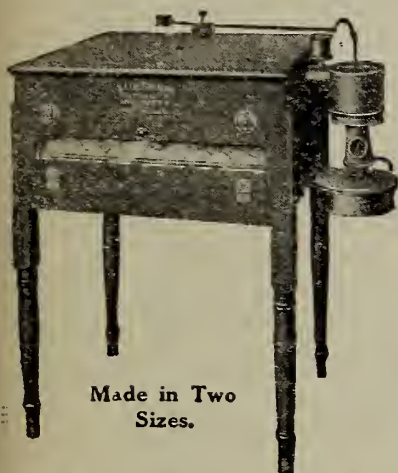
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Incubator. Price, Complete
in Every Detail, \$14.00.

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Sizes.

250 Egg Columbia Hot-Air Incubator.
Price, Complete in Every
Detail, \$19.00.

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Sizes.

390-400 Egg Standard Cyphers Incubator.
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Winners at Virginia State Fair and Petersburg Fair—10 firsts, 8 seconds and two silver cups. M. B. Turkeys—8 firsts, seven seconds and silver cup. I have a fine flock of each breed for sale, either exhibition or utility. Now is the time to get your males to head your flocks for another year, also hens and pullets.
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Show birds and eggs for hatching a specialty
Eggs \$5.00 per Fifteen

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One packet each of CARNATIONS, ASTERS, POPPY, PANSY, SWEET PEAS, These five packets flower seeds are radiant in color and fragrance.

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Barrett's Blue Ribbon Strain. Winners at all the leading shows. The world's greatest layers. Stock and eggs at reasonable prices.

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Prize Winning S. C. White Leghorns

Kentucky
State Fair
1914
Cock 1-2
Hen 2-3-5
Cockerel 2-3
Pullet 2
Pen 1-5



Tennessee
State Fair
1914
Cock 1-5
Hen 1-3
Cockerel 4-5
Pullet 3
Pen 1

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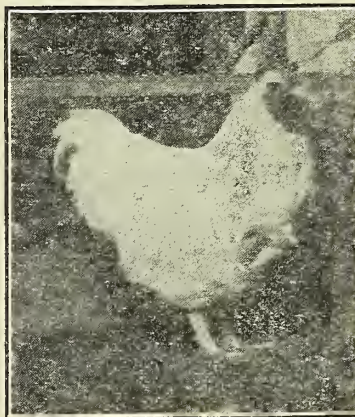
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"THE BEST IN THE SOUTH."

RECENT WINNINGS: At Nashville, first pen; first cock; first hen; first cockerel; first pullet; second cock; second hen; second pullet; only eight entries. At Memphis I won first and third pens; 1, 2 and 4 cocks; 1, 2, 3 and 4 hens; 1, 2 and 4 cockerels; 3, 4 and 5 pullets.

Summer clearance sale now going on. Some handsome birds still left that will be sold at bargain prices.

W. J. BRINKLEY,
IUKA, MISS.

THE INDUSTRIOUS HEN

VOL. XI.

LOUISVILLE, KY., DECEMBER, 1914

(Whole No. 126)

No. 7

National Egg Laying Contest Records Broken

"Lady Showyou's" record probably will be surpassed by several eggs—previous pen record already beaten by 181 eggs and one month yet to lay—Barred Plymouth Rock and White Wyandotte Hens surpass any records ever made by those varieties.

All previous records broken for eleven months and this all speaks well for the increased interest everywhere manifested in selection and breeding for egg production.

THE tremendous interest which has been manifested and the attention given by breeders everywhere during the past few years to selection and breeding for egg production is responsible, in our opinion, for the great showing being made by the 1,000 hens in the National Egg Laying Contest at the Missouri State Poultry Experiment Station. Previous records are already broken and it seems that a beautiful White Leghorn hen from Nebraska is almost certain to beat the record made by the famous hen, Lady Showyou, 281 eggs. The pen record has already been beaten by 181 eggs, and we have one month yet before the contest closes. This record is made by the English White Leghorns. A Barred Rock from Iowa, a White Wyandotte from Pennsylvania, and a Black Orpington from Nebraska have already surpassed any record made by those varieties in any of our previous contests. Others also seem destined to break previous records made by their varieties before the contest closes. Notwithstanding handicaps, a hen from New Zealand is among the nine highest hens. The average number of eggs laid by each hen for the eleven months is 155, which includes good and bad.

The hens have all been housed in the fool-proof, shutter-front poultry houses. Each house is 8x12 feet with a partition in the center and ten hens on each side.

The method of feeding is as follows: Equal parts of corn and wheat in spring and fall. Two parts corn and one part wheat in winter months, and one part corn chop and two parts wheat in the hot summer weather. Ground oats were fed in a hopper to take the place of the dry mash usually used. The oats were prepared by running them through an ordinary feed mill, hull and all. With each hundred pounds of oats we mixed ten pounds of dry beef scraps, one pound of ground charcoal and one pound of salt, free from lumps. When sour milk, buttermilk or separated milk is available, we use that and prefer it to beef scraps. If the ground oats are not available,

we use equal parts of wheat bran, shorts or middlings and corn meal with the beef scraps, charcoal, oyster shell and salt as stated. The ground feed is kept before the hens at all times. The grain is fed in a six-inch litter in the following quantities: Each morning, one pint to ten hens and at night one and a half pints to ten hens. Provide some green food and keep the yards sweet by cultivation. We have grit, oyster shell and fresh water always before the hens. Each afternoon we give the hens a moistened mash, all they will eat in thirty minutes. Use the corn meal, bran and middlings for this purpose and moisten it with milk or water. This is an important part of the rations for laying hens. Don't neglect the moistened mash.

This is a very simple method of feeding laying hens and there is not much danger of overfeeding them if they have been properly bred. For breeding stock we would recommend a ration composed principally of corn, wheat and oats and no mash or beef scraps. Provide plenty of green food and compel the breeders to take plenty of exercise. This will enable you to get eggs which are fertile and which will hatch strong vigorous chicks which will live. Remember that the breeding stock should not be fed so freely and compelled to take more exercise. Feed more whole grain to the breeders and avoid much mash or beef scraps.

The Barred Plymouth Rock hen mentioned above is a very well marked specimen. She is better than 50 per cent of the hens found in fanciers' yards. This is another point in favor of trying to breed good colored and shaped birds and combining in them the qualities of egg

production. We also have two Leghorn pullets hatched in February that were bred from prize winning birds at last fall's poultry shows. One of these February pullets has laid eighty-five eggs so far, and the other eighty-two eggs. Both were hatched, matured and laid this number of eggs since February of this year. A very good record for pullets nine months old.



Sport, Jr., First Prize S. C. White Orpington Cockerel at Kentucky State Fair, 1914. Bred and owned by Mrs. Walter Kenney, Paris, Ky.

The ten highest pens for eleven months are as follows, each pen being composed of ten hens:

Pen.	Eggs
0 S. C. White Leghorns, England	2251
79 S. C. White Leghorns, Pennsylvania	2050
65 S. C. White Leghorns, Missouri	2033
47 S. C. Reds, Missouri	1932
18 White Wyandottes, Pennsylvania	1919
24 White Wyandottes, England	1901
69 S. C. White Leghorns, Kentucky	1867
70 S. C. White Leghorns, Missouri	1844
9 S. C. White Leghorns, Pennsylvania	1799
59 Barred Plymouth Rocks, Ohio	1797

So many hens are in full moult that the pen records were not very high, but were good considering the season. The ten highest pens for October were as follows, the English White Wyandottes winning the silver cup for October:

Pen.	Eggs
24 White Wyandottes, England	183
69 S. C. White Leghorns, Kentucky	164
19 Buff Wyandottes, New York	163
79 S. C. White Leghorns, Pennsylvania	156
23 S. Wyandottes, Missouri	155
25 Buff Wyandottes, Missouri	151
75 S. C. White Leghorns, England	137
94 S. C. Reds, Ohio	137
102 S. C. White Leghorns, New Zealand	137
35 Black Langshans, Missouri	136

If the Nebraska White Leghorn hen can lay seventeen eggs in November she will beat the great hen, Lady Show-you. The fifteen highest hens are as follows:

Hen.	Eggs
611 S. C. White Leghorn, Nebraska	265
653 S. C. White Leghorn, Missouri	250
566 Barred Plymouth Rock, Iowa	248
655 S. C. White Leghorns, Missouri	248
180 White Wyandotte, Pennsylvania	246
05 S. C. White Leghorn, England	242
694 S. C. White Leghorn, Kentucky	242
799 S. C. White Leghorn, Pennsylvania	242
820 S. C. White Leghorn, New Zealand	240
01 S. C. White Leghorn, England	238
03 S. C. White Leghorn, England	238
576 White Plymouth Rock, Texas	238
864 Barred Plymouth Rock, Michigan	235
335 Black Orpington, Nebraska	234
456 R. C. Red, Missouri	234

THE RIGHT START MEANS SUCCESS.

Cheapness in the Poultry Business Can Never Mean Success.—In Buying Foundation Stock Never Get Anything but the Best.—A Pair of Good Breeding Birds Are More Valuable and Will in the End Net You More Profit Than Fifty Birds of Poor Quality for Foundation Stock.

(By Michael K. Boyer.)



GREAT many begin the poultry business on a "cheap" scale. Anything purchased simply because it is "cheap" is a mistake. Men of the "make'shift" calibre are, as a rule, the unsuccessful ones. It is always wise to buy the best, and, rightly measured, the best is the cheapest in the long run. The writer has found that in nearly every case the man who persists in advertising that "poultry don't pay" began with cheap, poorly constructed houses, purchased common, dunghill stock because they could be had at table fowl prices, and fed them on grains not calculated to make them productive, as the price for the proper articles of food "cost too much money."

Beginning with the houses: It is important that they be built of good, strong material, well roofed and roomy. The cheap houses are not only constructed with poor, second-hand lumber, but, in order to cut down the cost, are made narrow, contracted quarters, allowing insufficient room and very poor ventilation.

Then comes the question of stock: It must be cheap. If pure-blooded stock costs two dollars per head, and common dunghills only one dollar per head, it is reasoned that "a man is a fool to pay two dollars for a hen when the same money will buy two hens—and hens are hens, you know!"

Occasionally we will find some excellent layers among common hens, but they are exceptions rather than the rule. On the other hand, purebreds are the result of careful mating for a particular object. In other words, one wishing to establish a strain of extra good laying stock, will each year carefully make his selections with that object in

view. Each generation will then, naturally, follow in the line. This, however, cannot be the case with mongrel birds, owing to the promiscuous mixing of bloods.

Therefore, the thoroughbred or purebred fowl is cheaper at two dollars per head than is the mongrel at one dollar, for the reason that we have guaranteed qualities.

Another point of "cheapness" is in the feed. What a common expression it is to say, "that will do for chicken feed," meaning some musty or damaged grain. There could be no more serious mistake. To make eggs not only calls for food suitable for that purpose, but it must be in a pure state, rich in the requirements. The dairyman would not expect a good flow of milk from his cows if he fed a cheap, inferior ration. It is the same with eggs. Good material is required for good results.

How often we find beginners starting out with dunghills, giving the excuse that they first want to test the business before investing considerable money. What capital they have they want to stretch as far as it will go. They intend in the future to dispose of these mongrels and keep nothing but pure fowls, but they hardly ever get beyond the mongrel state. Once mongrels, always mongrels. Better invest the amount of available cash in fifty guaranteed fowls than purchase with it double the number of worthless stuff.

Begin on a small scale—limited according to cash and knowledge—but let that start be strictly on the basis of



quality. The safest start is made with good, substantial buildings, guaranteed purebred stock and the purest and best of feed. Then gradually grow on the same basis, and the industry will be established on a firm and safe foundation. Avoid mistaken cheapness. The best is the cheapest in the end.

If a postmortem examination of a heavy hen, that died suddenly, will show considerable fat deposited between the muscular fibres, it is proof that overfat was the cause of death. Often many of these fibres themselves are replaced by fat, which makes them weak in action and easily ruptured, and those around the egg passage become weak and flabby. If through fright extra strain is brought upon these muscles, the passage is readily torn, and the contents pass into the abdominal cavity, followed by peritonitis and death.



Egg-eating is a vice acquired by fowls when a tempting broken egg lies before them. To prevent the trouble it is necessary to keep a watch of the condition of the hens. When hens are too fat—and also when there is an insufficient amount of lime in their food, they are apt to lay soft-shelled eggs. It is seldom that hens in a proper condition lay eggs other than strongly shelled ones. Hens are often tempted to eat eggs by having shells still wet with the albumen thrown to them. The best way to feed egg shells to fowls is to first heat the shells in the stove oven for about an hour, and then crumble and mix with the soft food.

After caponizing fowls, they should be fed bone and muscle food to keep them growing. As size is first wanted they must not be overfatted. Several weeks before killing time, give such food as will put on flesh, like boiled potatoes and a mash with corn meal and meat scrap in it. Two or three times a week add powdered charcoal to the soft food. Feed whole corn at night. When fattening, give as much of a variety of fattening food as possible, and do not forget a liberal supply of green food.

There is not much profit in fussing with sick fowls. If the early symptoms of disease are promptly treated there will need be no fear of contagion. The flocks should be continually watched so that their condition may be daily noted. Trying to cure roup, or some other contagious disease, is a good way to endanger the lives of all the fowls. It is not always possible to keep the stock entirely free from sickness, but by early work one is enabled to ward off two-thirds of the ailments that it seems poultry are heir to.

There is no room in the poultry world for duds nor dandies. One day a gentleman, dressed in the latest style, doffing a high hat and wearing kid gloves, dropped in to talk poultry with the writer. The first impression was that our visitor was a man of means or a business man with a country estate, and wanted to add a poultry plant to it. But, instead, he explained that he had a few hundred dollars in cash, and he wanted to invest it in the poultry business. He made it plain that he believed the work to be next to nothing, and that he had carefully figured out how it was possible to realize an income of several thousand dollars a year. But we put a damper on his ardor. We explained that high hats and kid gloves were not the proper paraphernalia for poultrymen—that a man afraid of work would never be successful—that really hard work was connected with the business—that there were a whole lot of stumbling blocks—and so on we enumerated, until, in despair, he gave up the idea. Oh, these air castles! These false dreams! No wonder the failures.

An English writer uses the following happy style in advising the poultryman to cull out all undesirable stock: Why keep an old rooster for the sake of its crow? It will make better soup if boiled now whilst it has some

flesh on its breast. When the old ones are cleared off, hunt up the undesirables. A peevish chicken will never make a fine hen—just shift it on. A twist-breasted fowl, or even a mere crooked-breasted bird, should be destined for an early appearance on the market board, rather than be assigned a perch in the hen roost. Look over all the birds selected for stock purposes and here slight misfits should not be tolerated. When this has been done there will be left a supply of vigorous, healthy birds that will make the fowl pens a credit to the people that own them. If the breeds are properly selected, there will be layers as well as birds that will make a fair price for the table.

The question is frequently asked: "What is the difference between line and pedigree breeding?" Briefly, line breeding is breeding from one certain line for the accomplishment of a certain defined purpose. For instance, if fowls are mated for large bone, all fine boned fowls are discarded from the breeding pen. In this way great size is attained. The same plan is used in developing strong laying qualities, or size and color in eggs—or points in the fancy. Pedigree breeding is that of breeding recorded stock, each fowl having a pedigree—the same plan as is used by breeders of live stock generally. Neither line or pedigree breeding necessarily means inbreeding.

DOUBLE THE TURKEY CROP IN THE SOUTH IN 1915.

This is What a Leading Southern Turkey Breeder and Raiser Advises All Southern Farmers in the Following Article.

(Mrs. J. C. Schofner.)

Mrs. Schofner is one of the leading turkey breeders in the South and produces hundreds of them each season both for breeding and market purposes, and we thoroughly agree with her that the Southern farmers should double the turkey crop for 1915. Let the farmers of the Southern States raise more poultry and not depend wholly upon the cotton crop for their living as they have in the past. There is always a demand for poultry and eggs and the chances are now, on account of the European war, that they will still be higher during the next twelve months than ever before.—EDITOR.



I CANNOT see any reason why we should not double our energies to raise more turkeys another year, here in the South, since the market is sure to be higher and meat food of all kinds scarce, as long as the demand is so great and supply short. The people are obliged to have good food and as the cattle and hog supply is not sufficient, then the demand for fowls of all kinds must take the place. Since Europe is looking to the United States for the main part of her food, we must not fall short of what we can do, not only for them but for ourselves, while we have the opportunity. There are nine-tenths of the farmers' wives who can raise \$75 to \$100 worth of turkeys on the insects that are on the growing crop, weeds and grass lots during the spring months, and by having them roam the fields they glean them of insects that damage the growing crops, such as tobacco worm, grasshoppers and even army worms. I have just had a great experience with my large flock attacking a field of army worms that made their appearance in a field of late German millet, and I assure my reader that the turkey army was victorious. "They routed them, they scouted them and put them out of sight," and my usual supper feed was put to scorn, for they were full of that which nature had furnished, and while these worms lasted I never saw turks grow so fast.

Now, while they get their growth on wild seeds, insects and all kinds of green stuff that a farmer never misses from this other growing stock, it is all clear profit, until fall when all insects have been destroyed by cold weather, we must now feed some corn to fatten for the Thanksgiving or Christmas market, but up to this time three-fourths of their growth has been on the waste of the farm, and a wise farmer will want the "mam" of his household to appropriate that waste by investing in a trio or pen of nice large thoroughbred Mammoth Bronze turkeys, the larger the breed the more money they bring to buy the children's winter clothes, or probably help lift the mortgage off the farm, and I am predicting that the turkey crop of 1915 will be in greater demand than they have been for a number of years. I mean to double my energy and try to raise a larger flock and finer birds than ever before, both for show room and market.

WHAT IS UTILITY STOCK.

Utility Does Not Mean Mongrels, but, on the Contrary, it Calls for Strictly Purebred Stock.—Does the Prospective Customer Really Know What the Term Utility Means When He Writes an Advertiser.

(By Alfred D. Robinson.)

WE ARE constrained to ask the question, "What is utility stock?" because I have been the recipient of numberless calls for the same, and in spite of the fact that I have replied thereto in every way I could think of. I have never yet elicited an order. Reluctantly I am compelled to believe that the inquirers themselves did not know what utility meant, and a proper definition is a legitimate matter for discussion.

In an article in an Eastern journal, one Plummer McCullough asks a question similar in import but worded differently. What is a fair price for a bird? And then goes on to show that \$2 is the low limit in Plymouth Rocks for a fair bird, by taking standard weight and applying to it market prices. Curiously enough this latter is exactly the price given in San Diego today, 18 cents per pound, and yields for hens at that \$1.35 and for old roosters at 11 cents per pound, \$1.04. Asking why should any one advertise these for \$1.50 each when there is so little margin between that figure and what the butcher will give him.

Without any further poaching on Mr. McCullough's preserve, let us try and get down to brass tacks in this utility matter, that middle ground between the man who would not give \$2 for any chicken that ever wore feathers and the purchaser of fancy birds at any old price.

Utility, as applied to chickens, is the distinguishing mark of the mere egg or meat producer over against the show bird, but there is no reason why the latter should not also be a star performer in the utility line. A large number of "utility" men profess to despise the show stock of the fancier, but if this sentiment be true, why do the former constantly apply to the latter for birds to maintain the standard of their flocks. What do they mean when they write, "I don't want any fancy priced bird, just a fair bird of good type, within a reasonable interpretation of the standard, but no cull." Surely, anything within this definition of good pedigree is worth \$5 for a male and \$2.50 for a female at least, but 99 per cent of the inquirers don't think so. Again, one must ask what is a utility bird? Supposing a breeder has evolved a good laying strain within an exhibition one, are not these utility in the highest sense? And yet no sane person who thinks could expect them to be sold at a little above meat prices, when they consider the small matings, often just pairs, the careful selection and keeping of records for generations, and the consequent investment of time and money. Surely, utility cannot mean a chicken that is not worth \$2, and yet one is almost forced to that conclusion.

If utility mean as it should, the bird that is preeminent as an egg or meat producer, the stars in that class are nearly, if not quite, as rare as among exhibition stock, and should command as high prices. Supposing there were a class at poultry shows for hens with a certified yearly yield of 250 or even 200 eggs, would the entries swamp the cooping capacity? I think not. Further, would the average price of these be about \$2.

Why does the utility man want to buy new stock at all? Is it not because the chicken of today, so far as capacity, particularly in egg production, is concerned is largely a man-made product, if not continually made over it reverts to inferior types. Selection of breeders and careful attention to mating is necessary to maintain the utility of any flock.

No, utility does not stand for cheapness. It means effort to get and more effort to keep, and so great a virtue certainly should not be qualified by "just." "Just utility" is an insult or an exposure of ignorance. If the laborer be worthy of his hire, surely the utility hen is worthy of higher monetary consideration than just chicken, and she is, the trouble is in a misunderstanding of what utility really means as applied in poultrydom.

The breeder of exhibition poultry will have to pay careful attention to the utility value of his strain, and when he can honestly claim a combination of utility and show qualifications he will be the utility man par excellence.—Pacific Poultry Craft.



The above illustration of the first prize cockerel at the Memphis show, September 26 to October 3, offers convincing proof that photographs of good specimens do not have to be retouched in order to show to the best advantage. There is absolutely no retouching on the picture and the remarkable type and quality of the bird is visible at a glance. Besides winning first cockerel, he also won a number of specials and was the best in the Mediterranean class. There were 350 White Leghorns entered at the show and the quality was the best we have seen for this time of the year. Besides capturing the highest honor in White Leghorns, Mr. Andrews' "Efficiency" Strain did equally well in Barred Rocks.

One breed is sufficient for a beginner to start with. To attempt more is to mix things to the detriment of all. Not only must they be kept separate, but the different natures will necessitate certain modifications as to their care; and the careful study of a single breed is quite enough for the beginner. Select your favorite breed, give them your whole attention and you will have better success.

KEEP YOUR HENS LAYING.

If Your Hens Are Not Laying Now, There Must be Some Reason.—Through Scientific Breeding and Feeding Hens Can be Forced to Lay During Winter Months.—Study Your Birds and Methods of Feeding.

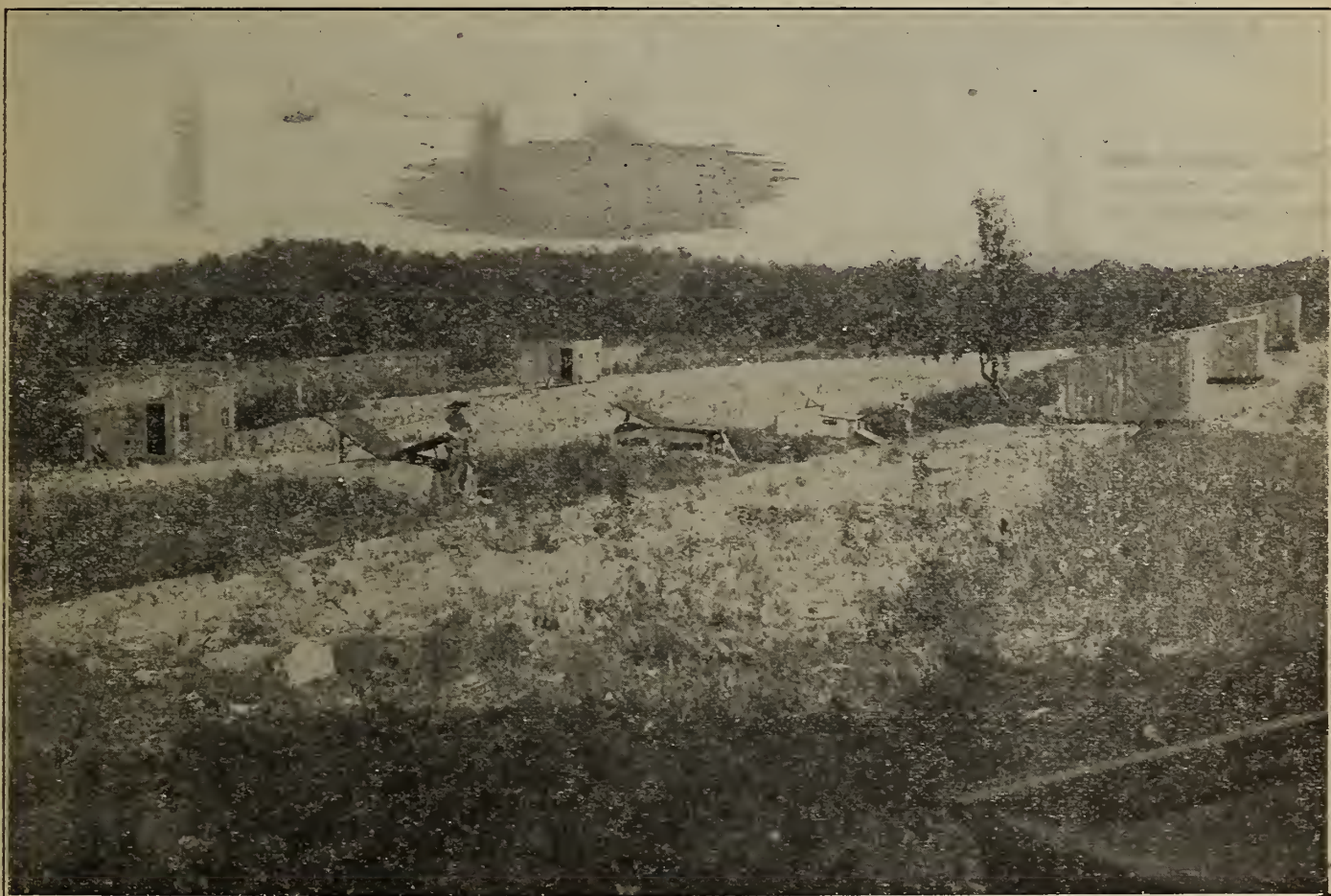
(By J. C. Clipp.)

IF YOUR hens are not laying there is a reason. During the winter months is out of season for any feathered bird to lay. But through skillful breeding and intelligent feeding domestic hens are forced to lay during the winter months. Hence, if your hens are not laying now there is a reason. A hen must have some surplus fat, otherwise they will never lay. A hen with excessive fat will not lay. But the impression some have of overfat hens not laying sometimes results in hens becoming too poor to lay, for fear they would become too fat. This reminds me of an old church member who became so good he could not sin, and claimed that he would not take any part in church work for fear he would commit sin. Well, every Bible

of good sound cereals. A variety of grains should be fed, not an exclusive feed of corn or of any one kind, but a variety—the greater variety the better.

Corn is one of the best grain rations possible, but the worst abused and used of all grains. When corn is fed alternately with wheat and its by-products it is the greatest ration for a flock of winter layers possible. In feeding laying hens during the winter months, I like corn, say, Monday morning; Monday noon, wheat and at night heavy oats. Tuesday morning, heavy oats, at noon by-product of wheat and corn at night, etc., throughout the week. I do not wish a light oats as they are certainly a delusion. The heavy oats are the only safe oats for hens.

On mild days I turn our hens out on rye in the afternoon and feed a liberal feed of meat scraps. This way we have almost a spring day meal. The hens, like a good warm drink of water on bitter cold days. I don't know of anything that will respond as readily to good feeding and treatment as good young hens. Old hens, extremely old hen, are not profitable no time in the year. The only excuse we can have for retaining an extremely old hen is because she is a high-bred hen, has won many honors at the shows and is only desirable for the good she has done. But when it comes to the utility hen, age cannot be considered. I know many real fanciers will tell you that they don't care if their hens never lay an egg, but if this



A Scene on White Hill Poultry Farm, Brooder Houses, etc.; A. J. Lawson, Proprietor, Cleveland, Tenn.

student can readily see this poor mortal was committing sin, because of laboring under false impressions and failing to do his duty. Same is true with many poultrymen. They are so fearful of getting their hens so fat they won't lay until they fail to feed sufficient to get eggs. The evil of lack of duty in both instances is the seat of sin.

The hen when in best laying condition has a reasonable amount of surplus fat. When in this condition she has sufficient flesh about her to keep her warm and to supply her body with every necessary requirement that goes to make egg production possible. When we learn that an egg contains 64 per cent fat, then we can begin to understand why we must have our hens fat in order to expel a daily output of 64 per cent fat. It takes good feeding. It takes food of the proper kind. There will never be any eggs formed in the hen's body in season or out of season until the body wants are supplied. It can be readily seen that to get eggs out of season the hen will require more food and care than during the natural egg season—in springtime. Fowls are natural grain eaters. The large portion of their food during the winter months must be

should be true generally, the fancy business would soon go "flunk."

We cannot deny that the utility side of the poultry business is the life of the profession. Show me a strain with heavy egg record behind it and I will show you a strain that is in great demand. Pick the true egg type hen when you come to mate your fowls, as well as ideal shape and fancy feathers. I remember well visiting Chiles & Co.'s yards some months ago and in being shown over the many fancy fowls in these yards, Mr. Chiles pointed out a very fancy pullet and we both agreed that she was ready to lay. The next day Mr. Chiles met me at the hotel and told me his fine pullet laid an egg that morning. Who said you could not pick the egg type? Whoever says so is not well informed in chickendom. Here was a fine pullet being conditioned for the show but her premature egg production crippled her beauty by the time the show was on and I will guarantee yet her qualities as egg producer was not molested in the least. Just such specimens must be selected in order to build up a laying strain. Good type, proper food and care will do the work.

EGG PRODUCTION.

Showing Records Made at the Utah Agricultural Experiment Station at Different Ages.—Number of Egg Laid Each Year Will Vary According to Age.

(J. J. Hooper, Kentucky Agricultural Experiment Station.)

A LETTER received from S. T. B., of Louisville, Ky., raises a very interesting point in connection with egg production. He states that he has received a bulletin from the Utah Experiment Station which contains many remarkable statements; among them the statement that the pullets that fail to make high records the first year may become good layers the second and subsequent years. The second statement is that a three-year average is more accurate than the first year's record as pullets. The third statement that S. T. B. thinks this bulletin contains is that there is very little difference between breeds as to egg production, but that there is great difference between individuals.

Since receiving this interesting letter we have re-read the bulletin from the Utah Agricultural Experiment Station and we find that S. T. B. is correct in many of his deductions. A small flock was started at the Utah station in 1907. The ordinary method of selecting the highest layers of the pullet year and keeping them to produce eggs for the next year's hatching was followed at first. After two years records of the flocks had been completed and studied it was found that nearly three-fourths of this first flock had made better records the second year than they did the first and that there was a great variation in the two years' records of individual hens. This raised the question of whether the first year's record was a proper basis of selection and it was decided to keep a number of hens long enough to test this point.

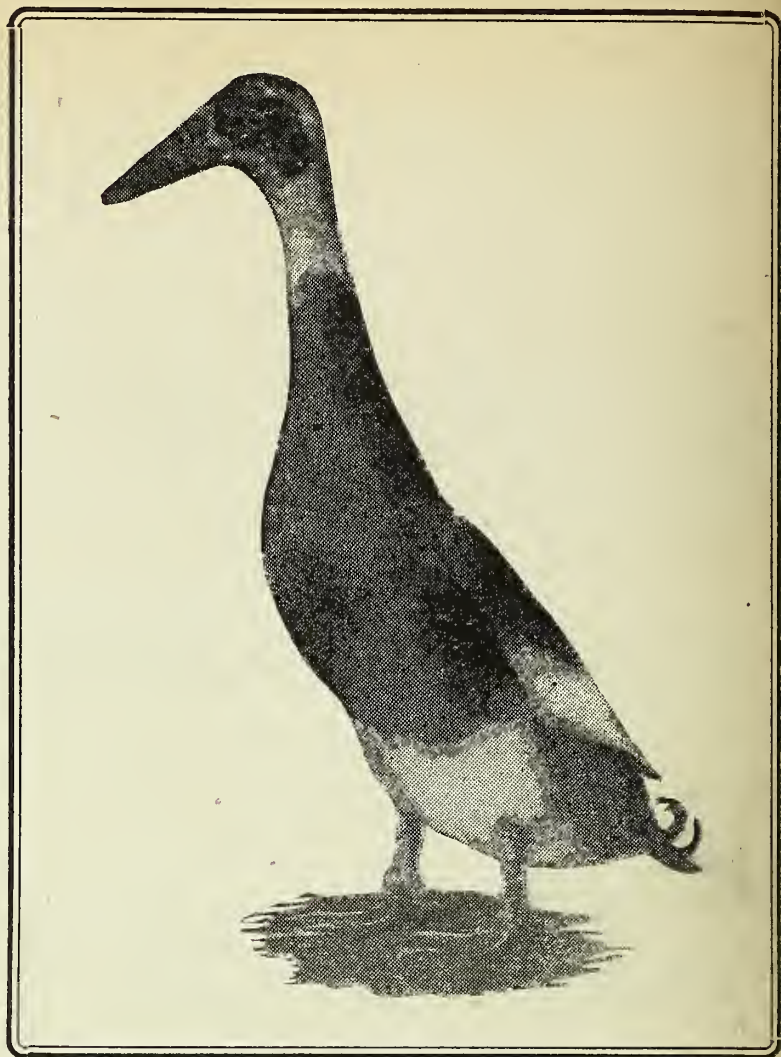
"As each year's result was added to the records of the original flock, it became more and more evident that the first year's record was only a minor fraction of the total production possible to obtain from a hen. These records also showed that the total possible production, length of life, range of variation from year to year and ratio of production to age, were the factors of which we know very little."

At the Utah station the records have been kept to include the entire life of many hens. That is, they were not killed after two years but were kept until they died. After considering all the factors connected with the life of the birds it appears that half of the hens being kept would have lived to the molting time of the fourth year and one-third to the fifth and one-sixth to the sixth year.

The average productive life of this strain of fowls appears at the present time to be about four years. The



S. C. White Leghorn Male, bred and owned by Geo. E. Schulz, Louisville, Ky.; winner at Kentucky State Show, 1914—best male bird in the show.



average first year's production of all the flocks was 124 eggs. The average second year's production was the same as the first while the average of the third year was only one dozen less.

The total production of a flock for the first three years appears to be the same regardless of whether the first year's record was extremely high, extremely low or medium in amount. The longer lived hens will lay over 500 eggs while individual records run as high as 800 to 1,000 eggs.

"The ten hens making the highest second year's record gave a higher three-year total than the ten making the highest first-year record. More hens have made their highest year's record after the first year than during that year. Three hens made their highest record the fifth year.

"The value of selection for egg production in poultry cannot be judged from a short series of first-year flock averages all falling within the normal range of variation. Selecting the high layers from a flock with a high first-year record would have improved the flock; selecting in the same way from a flock with a low first-year record would have been of little value.

"Nearly all the hens in these flocks whose total production has been extremely high have made low or only medium first-year records. From these studies it appears that the three-year average is the most reliable index of the value of a given individual."

To sum up this interesting work that was performed at the Utah Experiment Station, and which can be secured free by writing for bulletin 135, to Logan, Utah, we would draw the following deductions.

The usual practice of selecting pullets that lay the greatest number of eggs the first year is not an absolutely accurate guide as to the egg production that might be expected from the chickens during their entire life.

We believe that it is a customary practice to sell the laying hens after they have completed their second year's work. On the front page of the bulletin we find a photograph of a hen with her record. During her first year she produced 103 eggs; during the second, 197; the third, 188; fourth, 72; fifth, 108, and the sixth, 108. This seems to be the behavior of the flock if they are strong and vigorous. The great expense therefore that is incurred by poultrymen in replacing the flock of laying hens each two years seems to be somewhat unnecessary because the two-year-old hens would in their third year produce as

many eggs as they did in their second year, and if they are vigorous and strong they may ever continue to produce a good number of eggs during their entire life.

We think the Utah authorities who wrote this bulletin and who are Messrs. E. D. Ball, Geo. Turpin and Byron Alder, deserve considerable credit for developing a phase of the question that has not previously been discussed with any scientific accuracy.

The authors, we believe, did not make the statement that all the breeds lay the same number of eggs. They, however, drew attention to the fact that individual hens vary considerably in their egg capacity and that a hen belonging to a meat breed might lay as many eggs as a hen belonging to one of the light egg breeds, but it would be due to individuality, and the average of the flocks would not be the same.

At the Kentucky Agricultural Experiment Station poultry farm one of our best hens is a Light Brahma and she laid many times more eggs than her flock mates of the same breed and in fact even surpassed many of the Leg-horns.

DO NOT HOLD MARKETABLE EGGS TOO LONG.

(United States Department of Agriculture.)

THE department advises the farmer who specializes in marketing eggs to market his product frequently. The farmer often makes use of an egg case in which to keep his eggs and carry them to market. Sometimes he owns the case and sometimes it is furnished by the store-keeper. Often the case is one holding thirty dozen eggs, and as there is a tendency to wait until the case is filled, which takes considerable time with the average-sized flock, before taking it to market, the quality of some of the eggs will have suffered appreciably. Fifteen-dozen size cases are also used for this purpose and are much preferable, as they encourage more frequent marketing.

Another factor which influences the frequency of marketing is the distance of the farm from the village or country store. The greater the distance, the less often are the trips made, and consequently the less convenient it is to market eggs frequently.

The department has made investigations on ninety Kansas farms to discover how the distance from market influences the frequency of marketing eggs. Twenty-six of the farmers sent their eggs twice a week to market, sixty-one sent them once a week and three only once in two weeks. The following table gives the average distances that these different farmers were from market. It shows how important a reasonably near market is to the farmer who hopes to make a success of selling eggs.

Twice weekly.		Weekly.		Once in two weeks.	
Number of farms.	Average distance.	Number of farms.	Average distance..	Number of farms.	Average distance.
26	Miles 2.4	61	Miles 4.12	3	Miles 8.5

Skimmed Milk Valuable for Fowls.

To test the value of skimmed milk for laying hens, sixty pullets were put in two pens, equally divided, of one variety and all as near of an age as possible. They were fed exactly alike, keeping strict account of their feed, but given different drinks. One pen had sweet skimmed milk, while the other had only plenty of fresh water.

This test was begun on November 1 and accounts were balanced with both pens on May 1 following. The hens that drank the water had but a little over half as much credit for eggs laid, while their feed had cost nearly a third more than the pen which were fed skimmed milk. Some days in the very coldest weather the milk-fed pen of thirty pullets laid twenty-eight eggs, and their average for January was twenty-four eggs daily. The skimmed milk-fed pen not only produced many more eggs, but they did not consume as much food as the other pen.

The liver of a healthy fowl is of a uniform chocolate-red color, firm, and the right lobe larger than the left. Anything else indicates some disease. Whenever a fowl is killed for table use, its liver should be carefully inspected. If grayish or yellowish masses or tubercles are formed in the liver, it is unfit for food, as the deposits are a strong proof that the bird is suffering from tuberculosis.



A Prize Winning Cockerel from White Hill Poultry Farm; A. J. Lawson, Proprietor, Cleveland, Tenn.

The fancier having a wife who is also interested in poultry has several degrees the advantage of the fellow-fancier without a wife, or with one to whom poultry is a subject of but little interest. A woman when she does take an interest in poultry matters, can usually give a man several points in the game and then beat him. She gives more attention to the little things—that is, to those that a man would consider as little, but it is the seeming little things that go so far toward making a success of the business, and a woman seems to realize this to a greater extent than the average man, and as we have said, the fancier blessed with a wife who is also a fancier has much the advantage over the “bachelor” fancier or the one whose wife takes but little interest in such matters.

SECRETARY'S ENTRY BOOK

A very compact book, size 8½x8½ inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries. 100 Leaves \$2.00:

THE INDUSTRIOUS HEN, - - Louisville, Ky.

SUBSCRIPTIONS—One year 50c. Three years \$1.00. Foreign subscriptions 75c. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

CORRESPONDENCE—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.



Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.

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WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

MISSING NUMBERS—It occasionally happens that numbers of our magazine sent to subscribers are lost or stolen in the mails. In case you do not receive any number when due, write us a postal, and we will cheerfully forward a duplicate of the missing number.

AGENTS WANTED—We want agents to secure subscriptions. Liberal terms and outfit sent on application.

ADVERTISING RATES—\$2.00 an inch. Flat liberal discounts on contracts paid one year in advance.

CLASSIFIED ADVERTISEMENTS—3 cents per word per issue. No advertisement accepted for less than 50 cents, cash in advance.

LETTER FROM E. B. THOMPSON, PRESIDENT OF A. P. A., TO ITS MEMBERS

IF EVERY one of you will each get the application of one new member during the month of December and send to Secretary S. T. Campbell, Mansfield, Ohio, you will do a loyal and splendid duty. The accomplishment of your united results in obtaining almost 6,000 new members will be a "New Year's present" to the American Poultry Association that every one of you will feel proud of and not soon forget.

The month of December, while the last month in the year, is the month of joy for the reason that it has in it the week of the Christmas holidays. I urge upon you to write Secretary Campbell at once for application blanks and let at least one of these be returned to him with a new member's name upon it before January 1, 1915.

The great association to which you belong, will long remember the separate and collective New Year's gift of 6,000 new members that you can easily and quickly obtain. Every one of you know that the larger our membership the more powerful our organization will grow to be and the more helpful good will come to every fancier and poultry breeder in the United States and Canada.

With compliments of the coming holiday season and wishing every one of you a happy New Year which will abound in prosperity, I remain,
Yours very truly,

E. B. THOMPSON.

We urge every member of the American Poultry Association to comply with President Thompson's request, for it will mean strength and greater opportunities for the Association which is doing more today to boost the industry in the United States and Canada than any other thing. It will be easy for each member to secure one new member, for you no doubt have a friend who is breeding poultry or interested in the up-building of the industry who would be willing to join if you would only ask him and point out the good it would do the industry and the many advantages it would be to him or her to become a member of the greatest poultry organization of live poultry breeders and fanciers in the world. Try to send in your new member to Secretary Campbell before January 1st, 1915 and help

us swell the membership all we possibly can. If you read this and you are not a member you should send in your application and join now.

LOUISVILLE SHOW POSTPONED.

ON ACCOUNT of the recent quarantine in several States which affected shipments of live stock, The Louisville Armory Show has been postponed from the original dates, November 25, December 1st. New dates for the show are now being selected. A special committee having been appointed for that purpose at a joint meeting of the associations held last week. Full Announcement of same will be given out soon and complete information will be supplemented to all exhibitors, prospective exhibitors and those who received the catalogues.

The associations back of the Louisville exhibition are determined to carry out their pledge and give the show, and they were officially advised by Federal authorities at Washington that the live stock quarantine to prevent spreading of "Hoof and Mouth" disease did not effect the shipment of Poultry, Pigeons, Turkeys, Dogs, and etc.

The association, however, elected to exercise every precaution in order to protect exhibitors and thus co-operate with the Federal and State authorities in preventing any possible spread of the disease. Watch for announcements of the new dates of Louisville's show.

OUR CIRCULATION INCREASES.

GOOD circulation is one of the principle essentials for the success of any publication. Knowing the reading public's interest in the character of circulation, we give this information for the benefit of all concerned.

The Hen's subscribers are obtained from several sources as follows: Direct from new and renewing subscribers,

from the various subscription and magazine agencies, from various other journals (club offers) premium offers and from our regular traveling subscription agents.

Since September 1st, we have received from a thousand to fifteen hundred new subscriptions per month. From November 1st up to the present date (November 25th) we received twenty-eight books (1400 subscriptions) from our solicitors in the South and West. At the present rate of increase our receipts will average two thousand per month in paid subscriptions.

Subscribers are notified at date of expiration, and upon failure to renew, are canceled from the list.

By combining the circulation of the several journals acquired in the past year, we have gradually reduced our circulation to "live ones"—at the same time increasing our list of "paid ones," which with our present facilities for keeping up the increase insures the public of the genuineness of the Hen's circulation. Our records and files of the above facts are open to the public at all times to verify these statements.

Our motto is and has always been "CLEAN BUSINESS." We know no other way. Ask any patron that we have done business with for the past four years. If you are not receiving the Hen every month you are missing something good. Subscribe for one year on our personal recommendation. If you are not well satisfied at the end of the time, we will gladly refund your money. One year 50 cents three years \$1.00

THE cotton trouble in the South has been solved. Banks and other financial institutions have, with the aid of the government come to the rescue. Millions of dollars are now available to move the cotton crop. Improved conditions are no longer a talked of possibility, but a realized fact, evident in all lines of business. Calam-

ity howlers, are reducing in number daily. Business for everyone is ready and waiting for business men of the country to fall in line. Two thousand men were put back on the pay roll of a big Illinois Steel Mill November 24. Immense orders are being received by factories daily. Europe's demand for American supplies of all kinds will swamp us if we don't hurry our preparations to supply these demands. The New York and Chicago exchanges are now informally open and money is easier everywhere. Credit is better, banks are satisfied and going right ahead. Opportunity awaits every business man in this country. It therefore remains the duty of the business men to go after the opportunities.

NOTES AND COMMENT.

A merry Christmas to each and every one of the large family of Industrious Hen readers.

Eggs are scarce and high and will continue so for some time. Get every bird to laying NOW that you possibly can, and in order to do this you must give them plenty of the right kind of feed. Exercise is also an important factor in winter egg production, we seldom find our best layers standing idle on one foot in one corner of the house. The highly successful poultrymen are those who are able to get a good yield of winter eggs.

After all the "scare" and "talk" that all kinds of grains would be out of reason in price, on account of the great European War, the price is little higher than on the same date last year, the price of some grains having fallen considerably from the high prices gained immediately after the war broke out. We can, at this writing, (Nov. 14) buy wheat for \$2.00, corn for \$1.60 and oats for \$2.00 per hundred lbs. and from these three grains we can prepare an excellent scratch feed at a cost of approximately \$1.90 per hundred. So after all it seems that most of our worry and scare in this and many other lines is over things that never really come to pass.

In order to be ready to meet the demand for eggs for hatching, we should mate our pens soon. We expect to sell more eggs for hatching purposes this season than ever before. All indications now point to a general revolution of business in the South, as the people are learning more than ever that it will not pay to rely solely upon one crop for our revenue. They are learning that there is profit in raising grain and feeding it to poultry and other live stock on the farm. In the sections where I have visited there seems to be from 100 to 200 per cent more land seeded to grain than in previous years. It also seems that an unusually large number of "back lot" city poultry raisers are starting poultry raising this year, for to be sure they can have their own fresh eggs for the table if they will only put forth a little effort. We believe in grain and live stock and hardly think there is much danger of over doing the thing for some time yet.

Our turkey crop this year amounted to as much as a small cotton crop and

we did not put forth any great effort in producing it. When will the people of the South learn to appreciate the great opportunities offered them in turkey culture?

A years subscription to The Industrious Hen would be a nice Christmas present for your friends. It would be a pleasant reminder every month for a whole year. A dollar bill will pay for three yearly subscriptions. Do you know of a better present for your friends?

Don't neglect to provide plenty of fresh water for your birds this cold December month. A good method is to empty all drinking vessels when making the last round in the evening, then you will have no trouble with ice in the mornings.

The poultry department of the Charlotte, N. C. Fair was a decided success, there was more entries than on previous years, there being about 1000 birds cooped. White and Partridge Wyandottes, S. C. White Leghorns and Black Langshans were among the largest classes, and the quality well above the ordinary. The Boy's and Girl's Poultry Club exhibit was the subject of much worthy comment.

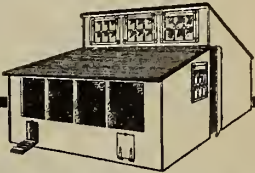
The Charlotte big winter show will be held on December 30-31, 1914, and January 1-2, 1915. This will be one of the best shows held in the entire South this year. The men who are behind this show are highly successful business men and they are putting forth every effort to pull off the best show ever and this is their nineteenth show. The judges are well known and are: Theo. W. Wittman, Allentown, Pa., Loring Brown, Smyrna, Ga., and R. L. Simmons, Charlotte, N. C. Write quick to W. R. Byford, Charlotte, N. C. for premium list. See their ad elsewhere in this issue.

To those who have written me during the last few weeks expressing their appreciation for this department, I wish to say: that for these words of encouragement I am truly thankful. It is my desire that this department shall be an interesting and helpful feature of the

"Hen" each month, and I am glad to know that my efforts are meeting with your approval.

Probably the most important act of the convention was the appointing of a committee to secure the immediate publication of a poultry text book to be used in the common schools of the country. Much credit is due Mr. C. T. Patterson, for preparing the manuscript of this modern text book. We feel sure that when this book is placed into the hands of the many thousands of school children all over the land, that the poultry industry will go forward as never before.

Don't fail to start some advertising in the January number of The Hen, and continue throughout the entire season. The Industrious Hen will sell your surplus stock and eggs.



MILLER'S FRESH AIR HEN HOUSE
The only up-to-date and practical poultry house on the market. Comes in sections, ready to put together. Write for printed matter on poultry houses, corn cribs, garages, cottages and sectional buildings.
THE MILLER MANUFACTURING CO.,
8017 Alabama Ave., ST. LOUIS, MO.

POULTRY FENCE
22 1/2 Cents a rod for 48-inch fence. Fewer posts and no base board or top rail required. Buy from the factory direct. Other styles of Poultry, Farm and Lawn Fencing. Large Catalog Free. Write today Box 253 Kitzelman Bros, Muncie, Ind.

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You Buy the Buckeye Incubator This Season on Forty Days Trial

Guaranteed by us, and over 1100 dealers, to produce a chick from every hatchable egg. Egg wasting 60% and 70% hatches now a thing of the past. Nearly half a million "BUCKEYE" users are getting 100% hatches every time. If the "BUCKEYE" doesn't hatch 100% the first time you try it, it can be returned to us at our expense and our guarantee will be fulfilled without question. This year's special prices as low as \$7.50 east of Rockies and north of Texas.

Unconditional Guarantee to Hatch Every Hatchable Egg

Simple scientific construction enables us to give a guarantee carried by no other hatcher. Try it 40 days and see for yourself. Simple of operation - you can get 100% hatches from the "BUCKEYE" without previous experience.

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FREE BOOK
"Making Money the Buckeye Way," packed with valuable poultry hints. Sent free with "BUCKEYE" Incubator and Brooder catalog and name of dealer.

60 Egg Size Now Sells for \$7.50



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

South Should Raise More Chickens.

Farmers wouldn't have to scratch so hard for a living according to Secretary of Agriculture Houston, if they'd raise more chickens to do the scratching!

Houston points out that the South, starving with a billion dollar cotton crop on its hands, wouldn't be up against it half so much if it had more chickens.

Ohio leads all the States in the union in the average of chickens per farmer, with 125.

South Carolina farmers raised half a million bales of cotton this year, but only about 14 chickens per farm. They can't sell cotton. They can't eat it.

If they had raised more chickens and less cotton, they could eat. Here the Ohio farmer with 125 chickens has a decided advantage over the Carolinian, with only 14.

Houston's chicken chat was the result of the Souths appeal for aid. What Southern farmers should do, he declared, is to raise enough foodstuffs to feed themselves, and then put the balance of their land in cotton.—Ex.

Houses and Runs.

See that the houses and runs are dry and well drained. Put in a good floor to the roosting house—either of concrete or wood, the later thick and hard and well tarred, top and bottom—and have it covered with litter. See also that the litter is not allowed to become damp. If the run is not well drained keep the laying birds solely to their houses and sheds. A damp place, be it remembered, is not the most suitable one for egg-production in winter.

At the beginning pullets will probably have to be the chief means of supplying the winter eggs, since the old hens may not have completed their moult by then. Some of the early moults are now laying; but to get the best returns all the birds must be well started ere any severe weather sets in. This end may sometimes be accomplished by a forcing diet, and by the addition of spices and condiments to the fowl's meals. Nevertheless it is not advisable to adopt such a course. Rather breed for it or feed for it with the ordinary foodstuffs.

Guarding Against Contagion.

No one should keep a bird after it comes from another place if it shows

indication of disease, as there is no knowing the nature of the disease until it fully develops, and then it may be too late if it is of a contagious character. Some birds are "immunes;" and escape all diseases, while others are easily affected. No bird is exempt, but there are some families among all breeds that are hardier than others. Inbreeding, overfeeding and exposure will affect the breeds. Roup has been known to prevail in yards in which certain families quickly succumb, while other birds that roosted, ate and drank with them showed no signs of the disease. A bird may have the roup sometimes, spread the disease, live to an old age, be apparently well and vigorous, and yet cause the death of many others, that are more easily affected by the disease.

Proper ventilation and exercise are fundamental requisites to winter success with poultry. Fowls should always have the benefit of all the pure, fresh air that can be given them without undue draughts or exposure to the elements.

Keep the roosts clean constantly, above and below. Thus you may hope to render the lives of your birds comfortable. It entails some labor to do this effectually, we know; but continued vigilance in this regard will pay well for the trouble. We know the advantage of what we thus advise.

The smell of roup is very readily detected. As a precaution it is advisable

to go into the fowl-house after the birds are at roost, and if any bird is suffering from the complaint it should be removed, and the rest of the flock put under preventive treatment. A few drops of a good disinfectant, or roup preventative in the drinking water will work wonders.

Handling Sick Birds.

When a bird becomes sick it should be placed in a coop by itself; or a number may be put together, so as to permit of handling them without frightening the others. If a bird refuses to eat it indicates that it is a serious case. Food, however, should not be forced upon them other than to give them something nourishing. A tablespoonful of warm milk with two drops of brandy will often invigorate a sick bird and induce it to eat, and for that purpose oatmeal boiled in milk to a thick consistency is excellent. A little finely chopped meat often proves quite beneficial, but it is well not to force too much at a time upon them.

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POULTRY SUPPLIES
INCUBATORS, BROODERS, NON-FREEZING
FOUNTAINS, FEEDERS, OAT SPROUTERS
AND 60 MORE LABOR SAVING ARTICLES
FOR THE PRACTICAL POULTRY MAN
GET OUR BIG FREE BOOK ADDRESS

**AN EGG
IS 73%
WATER**

Your Hen
Must have warm
water in the winter

This fountain will warm the water and keep the grain warm, it also will keep the frost out of a small sized hen house. We have **FIRELESS FOUNTAINS** that keep the water warm without a lamp, get our **FREE BOOK HOW TO GET EGGS IN WINTER.**

WENDELL INCUBATOR CO. HOLLY, MICH.

"PITTSBURGH PERFECT" GENUINE DOUBLE GALVANIZED FENCE

"PITTSBURGH PERFECT" Fences are heavily and evenly coated with pure zinc galvanizing that will not chip, crack, flake or peel off. Lasts many times longer than ordinary wire fences, yet costs no more. Made of tough, strong, durable Open Hearth Wire of high and uniform quality. All joints Electrically Welded together producing a solid, one-piece fabric, the whole surface of which can easily be stretched to a uniform tautness of greatest strength and effectiveness.

"PITTSBURGH PERFECT" Poultry and Garden Fence keeps your smallest chicks in bounds and protects them from prowling animals. No top and bottom boards needed. Easy to erect. Low in price.

"PITTSBURGH PERFECT" Fences for Field, Farm, Ranch, Lawn, Poultry and Garden purposes are sold by dealers everywhere. Write for Catalogue. P. 44

PITTSBURGH STEEL CO.
PITTSBURGH, PA.
New York, Chicago, Duluth, Memphis, Dallas
Manufacturers of "PITTSBURGH PERFECT" Brands of Steel and Wire Products.

DIXIES QUALITY STRAIN WHITE WYANDOTTES

Were the SENSATION of the great Tri-State Poultry Show, WINNING 24 out of 25 regular prizes in competition with Wyandottes from FIVE STATES. SWEEPSTAKES of \$75.00 in GOLD and numerous cash and cup SPECIALS. They also WON the week following at Jackson, Tenn., and FORT WORTH, TEXAS. Can furnish you GUARANTEED WINNERS for the hottest competition. Breeding cockerels that will produce heavy winter layers hatched from QUALITY MATINGS, \$2.50 and up.

CARRINGTON JONES,

BOX 145

BUNTYN, TENN.

MORE EGGS AT LESS THAN ONE CENT A DOZEN

Are all your hens laying now? Why not? You ought to be getting eggs now of all times of the year, and plenty of them right along till spring. Give them a guaranteed egg producer. Make your hens lay. Strengthen them against rough winter weather. Give them perfect health and strong vitality.

GIVE THEM

Pratts

Poultry Regulator

Makes Hens Winter Layers

A dozen eggs from each hen a month is not too much to expect, if your hens are laying at all. Why not get them all started? You can do it with Pratts Poultry Regulator at a cost of only a cent a hen a month. One extra egg pays the cost for several months. Pratts Poultry Regulator is guaranteed to satisfy you, or your money will be returned. 25-lb. pail \$2.50. Packages \$1.00, 50c. and 25c.

PRATTS ROUP REMEDY (Tablets or Powder)

A guaranteed cure and preventive for roup, colds and all similar diseases. In \$1.00, 50c. and 25c boxes. 40,000 dealers sell Pratts.

Our new 64-page Poultry Book is just out. Send for it, its free,
PRATT FOOD CO. DEPT. Philadelphia—Chicago—Toronto

THANKSGIVING TURKEY UNAFFECTED.

Foot-and-Mouth Disease Quarantines do not Interfere with the Poultry Market.

The rise in price of poultry of all kinds which is reported to have taken place in various States cannot, in the opinion of experts in the U. S. Department of Agriculture, be in any way attributed to the outbreak of the foot-and-mouth disease. This disease does not affect poultry at all, and the federal quarantines of various States, 14 in all—now lay no embargo upon shipments of poultry. For instance, Rhode Island can still send out her Thanksgiving turkeys, although no cattle, sheep or swine can leave her territory.

It is true that when a case of foot-and-mouth disease is found upon a farm, that farm is absolutely quarantined by the State or local authorities. No produce of any sort can leave it, the owner is not even permitted to drive his horses on the public highway, and in some cases, his children are not allowed to go to school until the exposed stock have been done away with and the entire premises thoroughly disinfected. Since the disease, moreover, is readily communicated from farm to farm by cats, dogs, poultry, and human beings, the local authorities exercise their own discretion in determining what restrictions should be placed upon shipments of produce from the area in the immediate vicinity of the infected farm. These areas are so limited in extent, however, that the amount of poultry that may thus be prevented from reaching the Thanksgiving market is an inappreciable percentage of the total supply. Poultry from the uninfected areas in the various quarantined States can be moved freely without the least danger of spreading the disease or of injuring the health of the consumer.—U. S. Department of Agriculture.

HONOR FOR MRS. SHOFNER.

Mr. Edward S. Weiant, of the U. S. Department of Agriculture, spent several days last week with Mrs. J. C. Shofner at Booneville where he obtained material for a government bulletin on turkey culture. Mrs. Shofner's fame as breeder of fine turkeys has won for her this honor which after all is but due recognition of her splendid success. For twenty-five years Mrs. Shofner has been engaged in turkey culture; she is possessed of the genius of hard work for it has taken work as well as a brilliant mind and a strong purpose to

achieve success. During this time she has won prizes at most of the poultry shows of the Southern States; three years ago she was called upon to act as judge at the International Poultry show, held in Atlanta and also at the Appalachian Exhibition. She has shipped turkeys direct to thirty-seven States and Canada.

Mr. Wieant stated that he had secured more information from her than from any other breeder he had ever

visited and Mrs. Shofner's friends will await with interest the publication of "her" bulletin.

WHITE WYANDOTTES

See my birds at the great Chattanooga Show and Georgia State Fair at Macon. Please mention where you saw this ad.

C. A. ADAMS, Fairburn, Georgia

SILVER WYANDOTTES

My birds are first in beauty and first in utility. Have competed for 129 prizes and won 121 in past four years. Can furnish winners for any show.

POPE M. LONG, CORDOVA, ALA.

LIVELY WHITE ORPINGTONS

"LAY LIVELY LOOK LOVELY"

Winnings, Augusta, October, 1914: 1st pen, 1st cock, 1st and 2nd cockerels, 4th pullet. Grand Matings. All pens headed by PRIZE WINNERS. EGGS, \$3, \$5 and \$10, setting, fifteen. BABY CHICKS, 2c, 50c and \$1 each. Bred to Lay and Win. Great vitality, fertility. Money in Orpingtons. Satisfaction. Write us.

LIVELY POULTRY FARM,

AUGUSTA, GA.



Barred Plymouth Rocks

BUY your exhibition and breeding birds from us. No matter what you pay, no one can furnish you better size and quality than we can. We are specialists in Barred Rocks, have bred them in large numbers for twenty-three years and can give you selection no small breeder possibly can. Our quality is wonderful, yet our prices are the lowest of any of the big breeders.

Winners at Chicago, Indianapolis, Memphis, Louisville, Nashville, Knoxville

If you are interested in fine Barred Plymouth Rocks, write us, and we will send you the handsomest and most complete catalogue published of this breed. You will make a great mistake if you place order before getting our prices and catalogue No. 7

POPE & POPE, Box H, Louisville, Kentucky

You Make No Mistake When Feeding Shur-pleez to your Birds



A GOOD Chicken Feed is most important. It cuts into costs and increases your profits. Successful poultrymen carefully look for the name *Shur-pleez* on the tag of each sack. They require the very best feed for their birds. *Shur-pleez* on the tag is your buy word.

RITTER-HENNINGS CO.

Incorporated

14TH AND MAIN STS. LOUISVILLE

We also have in Stock

KAFFIR CORN
BUCK WHEAT
COW PEAS
WHEAT, OATS
CORN, BRAN
REMEDIES
FOUNTAINS

SPRAYERS, FEEDERS

Just say you saw it in The Industrious Hen.

Kentucky Poultry Association News

MEETING OF THE KENTUCKY POULTRY ASSOCIATION.

THE Kentucky Poultry Association will hold a meeting in connection with the State Show, at Lexington, on Wednesday, January 6th, and the program of this meeting will be published in the Kentucky State Poultry Show catalogue, which will be mailed within a few days. We want to see every member present at this meeting and if possible send a string of your best birds to help boost the show and create more interest in the poultry industry here in Kentucky and the South.

There will be some interesting talks made on poultry, covering all the different branches of the industry and we are expecting some government experts, noted judges and lecturers from other States. From all indications, we will have a much better show than last year. By this show being held during farmer's week, it will be the means of getting the farmers of Kentucky to take up the breeding of pure bred poultry discarding the old mongrel.

The sooner the farmer does this, the greater the industry will grow, and we hope to get the farmer of Kentucky and the South to keep only pure bred stock, and discard the old mongrel, and derive more profit from his farm flock. They should devote more of their attention to this end of the farm industry. A flock of pure bred birds will lay more eggs, and produce more pounds of flesh besides giving the farmer a chance to dispose of his surplus stock, and eggs to his neighbors at three times the price he can get on the market, for mongrel stock. Don't you readily see where there is great advantage in keeping a pure bred hen over the old mongrel?

Every farmer should keep at least one hundred head of pure bred birds, as breeders and raise just as many youngsters each year as possible, and you will see that you get more profit from them than you will from any other industry on the farm. Few farmers realize the money that can be made from a flock of pure bred birds.

Start this season and get a pen of good birds of your favorite variety, and get started into this successful industry. It is a branch of your farm work that you cannot possibly afford to slight.

The Kentucky Poultry Association Will offer \$25.00 in gold to its members as follows:

\$5.00 for best cock, hen, cockerel, pullet and pen. Only members whose dues are paid up in advance can compete for this gold special. Send in your dues now to J. Gaylord Blair, Secretary, and be able to compete for this special.

We believe it would be a good move to appoint a live man and a hustler in each county in this State and let this officer be known as County Secretary of the Kentucky Poultry Association. In this way, we can keep in touch with each county and have this secretary look after new members and the poultry interest in general in his or her section.

Why not take this up at the next meeting?

Let us all try to secure as many new members as possible before the next meeting and try and have as many present at the meeting as we can. Just think, if every member would send in one new member within the next thirty days what a boost it would be.

Every member of the Kentucky Poultry Association will receive The Industrious Hen as long as his dues are paid. By joining you save 50 cents as the dues to the association is \$1.00 and a years subscription to the Hen is 50 cents. Use the coupon here and send your remittance to the secretary at once.

We want boosters as members and workers for the association and with the co-operation of every one we can soon build up the association as one of the strongest in the country. If you are a member, are you a booster? If you are a booster, we want you as a member. Won't you join us?

The Miller Fresh Air Hen House.

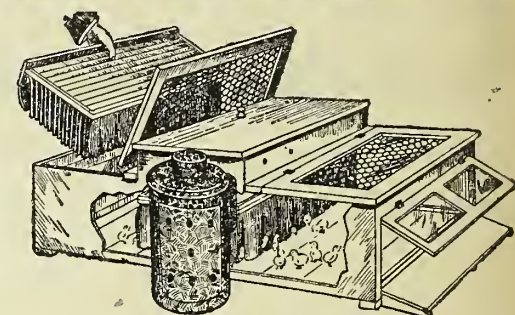
Attention is called to the advertisement of Miller fresh air, open front hen houses shown on another page. This new house has been approved by the world's foremost poultry experts and no doubt will be appreciated as the real house by many of our readers who appreciate the advantages of the Miller fresh air house. This house can be made larger or smaller or moved from one location to another. Some begin buying one house and add another as required. Printed matter on sectional hen houses, auto garages, cottages, barns, corn cribs and sectional buildings of every description will be sent to all interested by addressing the Miller Manufacturing Co., 8017 Alabama avenue, St. Louis, Mo. It's free, they want no stamps.

Donaldson's S. C. Rhode Island Reds.

Mrs. Donald Donaldson, of Decatur, Ga., has made an excellent showing with her Reds at two of the leading Southern fairs during the past few months. We publish below a list of the winnings that she has made. If you are in market for high grade stock and eggs of this variety we would be very glad to have you write her for prices, mentioning The Industrious Hen.

At the Alabama State Fair, first cock, first, second and third hens, first cockerel, first and fourth pullets, second pen, special on cock for best party colored male in show, special for best cockerel in American class. At the Georgia State Fair, on five entries, second cock, first hen, first pullet and second pen.

Here is the Chick Saver



The "BUCKEYE"

KANT KLOSE
KROWD KONTACT

Brooders and Hovers

Most wonderful artificial mother ever invented. Over-crowding, over-heating and suffocation absolutely impossible.

The only hot water brooders and portable hovers that have been approved by the National Board of Insurance Underwriters.

You can raise chicks in zero weather with the "BUCKEYE" Kant Krowd, Klose Kontact Brooder. Every chick kept warm and cozy without crowding.

Save the 40% That Usually Die

Get full profit from your incubator by raising every chick! Steady, uniform heat with perfect ventilation. No foul odors. Klose Kontact for every chick—Nature's way. The "BUCKEYE" Kant Krowd Klose Kontact pays for itself in a short while by the chicks it saves from death.

You have only to see these brooders in order to realize their wonderful possibilities.

Write for our catalog of "BUCKEYE" Incubators and Brooders, also name of nearest dealer. Do this today.

The Buckeye Incubator Company

525 Euclid Ave., Springfield, Ohio

DEAD-IN-THE-SHELL-CHICKS

Dead in the shell chicks are the result of Carbon Dioxide Poisoning. You can put a stop to the losses that come from dead in the shell chicks by using the

Ajax Improved Oxygen Vitalizer

It supplies Oxygen to the Egg Chamber of your Incubator, and EVERY hatchable egg produces a chick. It costs \$4.00 complete delivered charges paid, anywhere in the United States. Can be used on any Incubator and attached in five minutes. MONEY BACK if it FAILS.

FREE BOOKLET. We have published a Valuable Booklet on dead in the shell chicks, and Artificial Incubation. It's FREE. Please do NOT ask for it UNLESS you OWN or OPERATE an Incubator.

INVESTIGATION COUPON

Please send without obligation on my part, your FREE Booklet.

Name

Address

Send This Coupon To-day

RELIABLE POULTRY SPECIALTY CO.

MILLS STREET

ALEXANDER, N. Y.

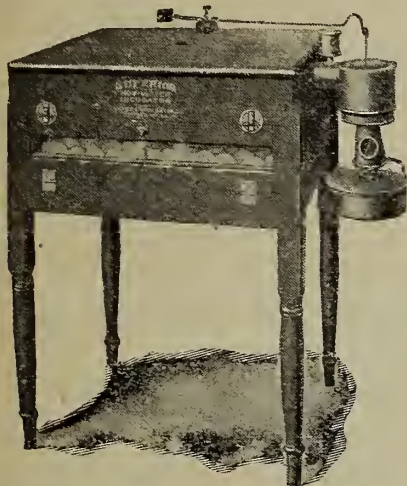
Just say you saw it in The Industrious Hen.

Two New Styles of Cyphers Company Incubators for 1915.

Herewith are shown photographic illustrations of two new styles of popular priced hatching machines that have been placed on the market by the well-known Cyphers Incubator Company, of Buffalo, N. Y., for the season of 1914-1915.

The new Superior incubators, as built and guaranteed by the Cyphers Company, are copper tank hot water machines. They are made in two sizes, holding 65 eggs and 130 eggs. The new Columbias are hot-air incubators, also two in number. They hold 140 and 250 hen eggs and are to be sold at remarkably low prices.

The Cyphers Company's complete 200-page catalogue for 1915, entitled "The Profits in Poultry Keeping," tells all about these new popular priced Cyphers machines. Write for a free copy today, mentioning The Industrious Hen, and also ask for separate free circular showing the new Superior and Columbia incubators in their natural colors.

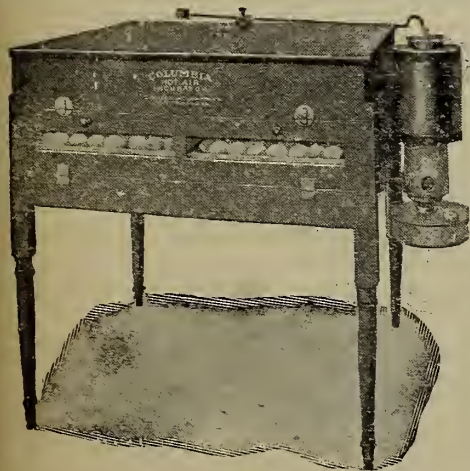


Superior Hot-Water Incubator. Capacity 130 Eggs. Manufactured by Cyphers Incubator Company.

Perhaps you may ask yourself this question: "Why should the Cyphers Company build these new low priced hatching machines and sell them in competition with their world famous Cyphers incubators?" Three answers are offered in this limited space, as follows:

First—There undoubtedly are many persons who do not feel that they can afford to pay the prices charged for the Cyphers. They need an incubator and want in every respect as good a "hatcher" as they can get anywhere for the money they can spare to put into it. To meet this demand the Cyphers Company offers the two Columbia hot-air machines, one of which is illustrated herewith.

Second—No doubt there are many prospective buyers of incubators who still believe that hot water is a better or safer "heating element" for an incubator than hot air. The two Superior incubators, as manufactured by Cyphers Incubator Company, are offered to this



Columbia Hot-Air Incubator. Capacity 250 Eggs. Manufactured by Cyphers Incubator Company.

trade and they are guaranteed to do satisfactory work in every case when operated according to directions.

Third—The manufacture of these two new styles of popular-priced incubators is in full accord with the business aim of the Cyphers Company, which is this, as stated by its president: "To manufacture for the poultry public whatever it wants and needs, provided the article, whether it is a leg band or a mammoth

incubator, has practical value and will give genuine satisfaction."

Write today for the 1915 catalogue above mentioned, also for the color plate circular, addressing Cyphers Incubator Company at its place of business nearest you, as follows: Home offices, Buffalo, N. Y., New York City, N. Y., 41 Barclay street; Boston, Mass., 12-14 Canal street; Chicago, Ill., 329-331 Plymouth court; Kansas City, Mo., 317-319 Southwest boulevard; Oakland, Cal., 2127-2131 Broadway; Dallas, Tex., 316-318 N. Preston street; London, England, 121-123 Finsbury pavement.

Don't fail to send a string of your best birds to the Kentucky State Poultry Show at Lexington, January 4-9, 1915. Larger and better than ever.

Wyant's Buff Orpingtons.

Be sure to look up the advertisement of Wyant Brothers, Thorntown, Ind. They are offering some great bargains in breeding birds, both old and young. We have handled their birds and we can assure any of our readers who may be in market for Buff Orpingtons that they can secure some good birds at reasonable prices. Their winnings at Kentucky State Fair, 1914, Hopkinsville, Indianapolis, etc., should be proof of the quality of their birds. Their pen will be mated January 1, 1914, and they can ship eggs on short notice to any part of the country. Mention The Industrious Hen when writing them.

If you will send us one new subscription to THE INDUSTRIOUS HEN at 50 cents, we will send you a big poultry book that sells for 50 cents per copy.

Oats is one of the best grains for developing the growing stock. They help to make a good frame and muscle, and we would do well to feed more oats and less corn.

Be sure that your mash feed consists of at least 10 or 15 per cent high grade beef scrap. This is an important part of the feed and you should not neglect it.

NOTICE TO THE SUBSCRIBERS

We have in this Journal an ad. We will give five dollars in gold to the person guessing the correct or nearest correct number of booklets and bulletins of Farms for Sale asked for as a result of this ad. Guesses must be sent to the : : : : ENTERPRISE REAL ESTATE CO., Huntsville, Ala.

S. C. WHITE LEGHORNS

First and second prize cocks and hens for sale. Young birds for any show. We have won hundreds of ribbons, cups, etc., at all the big shows. Twelve years in the business. W. E. GABHART, BOX M, BOHON, KENTUCKY

S. C. BLACK MINORCAS, PARTRIDGE PLYMOUTH ROCKS AND BUFF COCHIN BANTAMS

Constant winners and layers. Winners at the recent Kentucky and Indiana State Fairs. Write your wants and see if I do not treat you right.

PLEASANT VIEW POULTRY YARDS, J. A. McQuiston, Prop., Greenwood, Ind.

S. C. WHITE LEGHORNS

I breed S. C. White Leghorns, the Money-Makers. Why waste time on other breeds when you can buy stock from me that will lay and pay. I have a few choice cockerels from great Winter layers for \$5 each. Other bargains in pairs, trios or pens in old or young stock. Buy before the price advances or the best sold. Money back if not satisfied.

Lay-a-Lot Leghorn Yards, MRS. T. H. FARMER, Prop., Shelbyville, Ky.

LOOMIS' ROSE COMB REDS

For years I have won at many of the South's best Red shows and at the recent Kentucky State Fair in a class of Reds that will not be surpassed at any Fall show this year, I won 1st, 2d, 3d, 5th cocks, 3d, 4th hens, 1st, 2d cockerels, 2d, 4th, 5th pullets, 1st pen. The quality of my exhibit here was freely commented on both by Judges and Breeders, as the equal of any that will be seen this year.

HAWTHORNE POTLTRY YARDS, C. C. LOOMIS, Prop., Box A, ST. MATTH EWS, KY

S. C. RHODE ISLAND REDS

Show birds a specialty. Males from \$5.00 up; females, \$3.00 up. Utility from \$1.00 up. Eggs for hatching January 1st. Write your wants.

HIGHLAND PARK POULTRY FARM

BOX 572

ROANOKE, VIRGINIA

PICK OUT THE HENS



SEE THAT "XX"? 4TH YEAR POINTS THE WAY. START RIGHT YOU END RIGHT

eggs are as good as hatched before you begin to incubate. Start wrong, or shiftlessly, and one-half your eggs are wasted. These words are as true as can be spoken and you stand to lose if you do not choose your breeders exclusively by the register of the Magic Egg Tester. Sent by mail, complete for use, upon receipt of \$2.00. Ten pages of testimonials. One year's trial, money refunded if requested.

Magic Egg Tester Works, Brayton St., Buffalo, N. Y. and Bridgeburg, Can.

In ordering, or writing for further information, please mention this Journal,

Just say you saw it in The Industrious Hen.



This department is conducted by the J. A. Thornhill, New Decatur, Ala. If your birds are sick, write him; he will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

A Beginner.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: Your first copy of your poultry magazine reached me yesterday (Nov. 14th) and I want to say I am well pleased with it, as I am satisfied I will get lots of valuable information from it, as to the poultry business in general. I am living in a suburb of Birmingham, Ala., namely, Pratt City, and have a fine big lot which I could put to some good use, and I am thinking very seriously of making it chickens, but as I am only somewhat of an amateur in this line of business, I realize I would need lots of valuable information as to the raising of the same. I have every reason to believe that I could not devote my time to any more worthy instructor than to the Industrious Hen for my required information.

At the present time I have about eight or ten White Leghorns and the place I have, I know, is not what is required to the best advantage in keeping them, so I will need instructions in just how to build my poultry house, and as to which direction it should face when it is built. As my ambition is for one breed only, I think one place would be all that would be required, at any rate all my suggestions are subject to correction. I want to thank you in advance for any information you may send me or advise me of. Trusting I may have the pleasure of hearing from you soon, I am, believe me,

Yours very respectfully,
Pratt City, Ala. H. O'B.

ANSWER—I agree with you that you could not find any occupation that you could devote your time too that would bring you better returns than the poultry business. We know the poultry industry is just now in its infancy now in the South and there will be a bright future for it during the next three to five years. As you are just starting in the poultry business, I would advise you to secure all the good literature possible and read up on it and go into it on a very small scale for the first year and as you gain additional knowledge from time to time you can increase your plant and gradually build up a good and profitable business. In building your poultry houses always have them face the south or southeast and use only the open-front fresh air style for your Southern climate.

You have selected a good breed to start with and I believe you will find them profitable and good egg producers. Breed for strong vitality and heavy egg production.

Defective Wings in Ducks.

Editor The Industrious Hen:
Louisville, Ky.

Dear Sir: I raise Indian Runner ducks and my best drake got six feathers on the tip of the wings which grows up. Must I pick them and raise from that duck or not? Please let me know in the next issue.

Respectfully,
Bessemer, Ala. F. D.

ANSWER—I believe that your duck has in some way gotten his wing feathers hurt and if you would pull them out it is possible that they might come all right next time. If they do not I would advise you not to use such a specimen as a breeder for the youngsters might possibly show such defects. For breeders use only birds that come near the standard requirements and healthy vigorous breeders showing strong vitality. In this way you will build up a flock that will prove profitable to you.

Colds.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: I write to ask if you can give me information about treating chickens with bad colds. I have quite a lot of it in my flock and have lost several of them.

Corinth, Miss. H. S. G.

ANSWER—First remove the cause. There is something wrong with your housing, or else your stock is exposed to the cool air of the early morning too much. Colds are the result of draughts and exposure. If poultry is healthy and kept comfortable there is no danger of colds. Give to each bird one grain of quinine twice a day. Use only fresh-air plain poultry houses and make your birds work and exercise and you will have less colds in your flocks.

Scaly Leg.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: Please give through your journal a remedy for scaly legs. All of my stock have it.

Tennessee. A. E. M.

ANSWER—Dip legs of poultry in kerosene oil up to feathers, but do not allow oil to get on skin above hock joints for it will blister badly. Repeat the treatment until legs are thoroughly soaked, after which apply carbolated vaseline and Zenoleum equal parts until scales drop off.

Miscellaneous Questions.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: (1) What is the cause of white yolks? (2) Can hens be made to lay by the hopper feeding method on free range without any other feeding? (3) I notice where you say, "feed layers on beef scrap to make them lay." What is beef scrap and where can I get it? (4) How many hens can I keep in a house 10x12 feet?

Tennessee. G. J. B.

ANSWER—(1) Too much white corn and not enough green feed is the cause. It takes a liberal supply of green feed and yellow corn to get that rich yellow-yolked egg so much desired. (2) Yes, many poultrymen use the hopper method entirely. Equal parts

corn, wheat and oats make an ideal mash formula for mash hopper. (3) Beef scrap is a product from the packing houses and can be obtained from supply dealers or ordered from dealers in an adjoining city where it is kept. (4) If of the "fresh-air" type, from twenty to thirty. Many make the mistake and put too many hens into one house.

Best Ducks.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: I am in a position to secure either the Indian or Buff Orpington ducks. Which lay the whiter egg, the Indian or Buff Orpingtons? Which of the two would you recommend? Please give me an early answer because the party might sell them to some one else.

H. B. W.

Memphis, Tenn.

ANSWER—There is no difference in the color of the eggs of the two breeds of ducks. Occasionally one will lay an egg a little darg or green. Some claim that ducks are not purebred stock when they lay greenish colored eggs. The Indian Runners are very popular and I believe will suit you better than will the Buff Orpingtons, although the Buff duck is quite popular and a good general purpose duck. They are known now as Buff ducks instead of Buff Orpington ducks.

By advertising in The Industrious Hen you reach the live buyers in the Southern field.

LICECIL Kills Lice

Put a few drops in nests and corners and hang bottle in coop. No painting, dipping or dusting. Powerful vapors penetrate feathers, cracks and crevices everywhere, destroying insects. Will not injure chicks. Send at once for free circular and letters from users of this wonderful compound. Bottle prepaid only 50 cents. Money back if it fails. Agents Wanted.

METZGER MFG. CO. Dept. 42, Quincy, Ill.

Spray White Wash **Kant-Klog Sprayer**
for disinfecting and white washing poultry houses—spraying vines, vegetables, etc. Write for catalog. Agents wanted. **Rochester Spray Pump Co.**
206 Broadway Rochester, N.Y.

EGGS 12c PER DOZEN

By the Celebrated "OCULUM" METHOD (a recent discovery) I was getting 20 eggs a day when I commenced the "OCULUM" METHOD, 3 weeks ago; today I got 300.

D. B. McNEILL, Cunningham, W. Va.
Our BOOKLET tells you how. It's FREE
H. I. CO., BOX M. SALEM, VA.

"Have a CONKEY CORNER in your Poultryhouse"

Conkey's Poultry Tonic

keeps your birds in perfect trim. You can use it every day all the year and every bird you own will be the better for it.

Get a package now and make your birds earn their board this winter. Buy it of our dealer or write us.

GET OUR NEW POULTRY BOOK and learn how to laugh at poultry diseases. Enclose 10c for our CASH VALUE COUPON—Something new.

THE G. E. CONKEY CO.
1011 Conkey Bldg., Cleveland, O.

:- BARGAINS EXTRAORDINARY IN WHITE PLYMOUTH ROCKS :-

For the next thirty days I will offer the following: Cockerels \$3.00 each. Trios (male and two females) \$5.00. Pens (male and five females) \$10.00. Properly mated to produce the best there is in White Plymouth Rocks. Satisfaction guaranteed or money refunded. Write at once as this offer is only made to reduce my flock for the winter. Address:

W. B. JENKINS, PROP.

OAKLAWN POULTRY YARDS

GLENDAL, KENTUCKY

Just say you saw it in The Industrious Hen.

Show Dates at San Francisco.

The dates assigned to the different classes of animals for their exhibition and judging in the Department of Live Stock of the Panama-Pacific International Exposition are as follows:

Horses, Mules and Asses—September 30th to October 13th.

Cattle (Beef and Dairy)—October 18th to November 1st.

Sheep and Swine—November 3rd to November 16th.

Poultry and Pigeons—November 18th to November 28th.

Dogs, Cats, Pet Stock and Children's Pets will all be shown on November 28th to December 3rd.

These dates are not only of interest to exhibitors, but to those who will attend the numerous live stock, dairy and poultry conventions which will be held in the Congress Hall on the grounds of the Department of Live Stock. The National Dairy Show, annually held at Chicago, will be held at an earlier date, through the kindly acts of the officials. This show will open about the first of October, 1915, and at its close special train-loads of dairy cattle will be made up to be sent to San Francisco; also special train-loads of people interested in the dairy industry, and members of the various associations holding their meetings here will come out at the same time. It is understood that the great Dairy Show and Convention held annually at Waterloo, Iowa, will be held in the last week in September, 1915. This will be immediately followed by the National Dairy Show at Chicago, and that in turn by the great exodus of both people and cattle to the series of conventions and the Cattle Show at San Francisco.

A small classified advertisement will work wonders for you and sell your birds and eggs. You had better start one in January issue.

The Langshans.

You can't keep them down. They were for awhile but they are coming back again into popularity, not from stupendous advertising and showing, but of their own accord, as the greatest of winter layers and as the greatest of show birds.

Did you keep your eye on the Missouri egg laying contest, the greatest test that is to be found and see how they ranked?

They averaged more eggs than any other breed in the contest.

Go down the Langshan alley of the best shows and you will find a large class of well conditioned birds.

And you Langshan breeders, let's get a hustle on us and do our part.

Don't let the grand old birds do it all and we will get the highest public favor in great leaps and bounds.

Show all you can, enter your birds in the egg laying contests, and use printer's ink freely and you will never regret it. You owe it to the breed and yourself.

Join the club and let's make a noise. Sing the praises of the Langshans all the while.

Yours for better Langshans and more of them.

R. B. Johnson,

Spartanburg, S. C.

The Poultry Judge, a monthly poultry journal established about a year ago and published at Chillicothe, Ohio, has discontinued publication and the subscription list has been taken over by the Poultry Record.

Nov. 19, 1914.

The Industrious Hen,
Louisville, Ky.

Gentlemen: Enclosed find check to cover October and November advertising. Your display columns have given us splendid results. Please discontinue our breeder's ad. as we have sold out our stock, and find enclosed with this letter our seed ad. for the coming season. We would like to have one and one-half inches or two inches display space instead of one inch. Mail us bill.

Very truly yours,

W. H. MALONE.

Hardinsburg, Ky., Oct. 15, 1914.

The Industrious Hen,
Louisville, Ky.

Dear Sirs: Yours of the 14th to hand. You are at perfect liberty to use any part of my letter of the 12th. Your October issue certainly did go home. I have been kept busy answering inquiries ever since it came out.

Respectfully yours,

P. M. BEARD.

By reading The Industrious Hen you will keep well posted as to what the South is doing in building up the poultry industry. Send in your subscriptions now—50 cents per year, three years \$1.00.

BUFF PLYMOUTH ROCKS

Bred for Heavy Winter Egg Production. Also blue ribbon winners at the recent Kentucky State Fair. Choice cockerels at \$2.50 up and pullets at \$1.50 up. Write for description and other information.

Cumberland Phone; Harrods Creek Exchange. Free Service.

MRS. M. T. ENGLISH

Prospect, Ky.

"SICILLIAN BUTTERCUP COCKERELS"

You are looking for a cockerel that will improve your flock and win a blue ribbon for you this winter. We have them with Standard cup shaped combs, willow green legs free from stubs, at \$5 to \$8. Also Standard Malay Games, Malay and Buttercup Bantams, Indian Runner Muscovy Ducks and Toulouse Geese. Our birds win for us and will win for you. Square Deal guaranteed. Let's get together.

RIDGEVIEW FARMS,

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Just say you saw it in The Industrious Hen.

Silver Wyandotte Club of America.

The Silver Wyandotte Club catalogue for 1914 which contains many valuable articles and illustrations is now ready. The same will be sent free to all those interested. Address H. J. Goette, Sec'y-Treas., St. Paul, Minn.



Ideal Aluminum Leg Band

To Mark Chickens
CHEAPEST AND BEST
12 for 15c; 25-20c; 50-35c; 100-60c; 175-41.00;
200-\$1.10; 500-\$2.50. Price list and sample fee.
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J. W. DENNIS POULTRY JUDGE

All varieties. 15 years experience.
mating and selecting show birds a
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Reference. Rates reasonable.

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Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to The Succulenta Co., P. O. Box 405-25 Newark, N. J.



TURKEY & WATER FOWL

DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

FATTENING TURKEYS.

To begin with, only those who have several acres of land should try to fatten a flock of turkeys. It would be foolish to attempt this business in limited quarters. Turkeys are birds which essentially love to roam; the more good land given to them the better they seem to thrive, and the greater weight they put on. It is not merely a question of feeding, or selecting suitable foods, or giving the greatest variety in diet. It is more important to have several acres of either good grass or arable land for the birds to roam over. If one has limited accommodation one may safely fatten three or four, or up to half a dozen turkeys. But if we overstep the mark and attempt to crowd too many birds together bad results occur.

There should be little fear of disease or deaths; and given a right system and one who thoroughly understands the work and possesses the necessary enthusiasm, turkey fattening can be brought to a successful issue with little capital outlay. In certain quarters young poults are allowed to sleep out in trees or on tops of buildings until the middle of November, providing weather conditions are decent; but this policy has certain drawbacks. Once the birds get accustomed to sleeping out they never seem to settle down if driven indoors owing to adverse weather conditions, and they take the first chance of getting on to a house top, or, in fact, the highest possible place.

The houses must be fairly high, and, above all, possess plenty of ventilation and be well lighted. Too many buildings are really dark dungeons, exceptionally stuffy at night, and have a tendency to induce severe colds among the stock which roost in them.

A lot of people make a mistake in feeding turkeys; they seem to think that because the birds are wanted for Christmas a tremendous amount of food must be given them, and once they appear to leave a meal untouched their owners are usually troubled. There is no need for overfeeding, and, big as turkeys are, they should not consume a large amount of food. They are essentially birds which love to search for natural food when the ground is bare, and I have seen flocks of birds go out in the morning at eight or nine o'clock and stay out all day, traveling miles and miles round the several fields, and come back at night with crops almost full. Two bare meals a day are all that is necessary until four or five weeks before Christmas.

Overfeeding has a tendency to promote bowel trouble and bring on liver

disease. I have seen some turkeys which have gone blue about the head and would hardly touch any food. Once liver trouble gets hold of a flock it is very difficult to eradicate.

There is nothing intricate about fattening flocks of turkeys; common-sense methods alone are needed, and then as Christmas approaches give fattening foods. It is only when the birds have a large and natural appetite that they put on flesh quickly.—Ex.

Geese.

Geese should be more numerous on the land, and there is plenty of room in this country for extension in this direction. Many a stubble field that could not be better utilized than as a feeding ground for a month or so is lying idle, and the pity is, it is so. There are commons also and rough land that could well be grazed by a few geese. Get the birds out, since they will benefit greatly by such range and they will improve rough land.—Ex.

Charcoal for Turkeys.

Here is the experience of a breeder of turkeys in the use of charcoal in fattening them:

"Four turkeys were confined in a pen and fed on meal, boiled potatoes and oats. Four others of the same brood

were at the same time confined in another pen and fed daily on the same article, but with one pint of very finely pulverized charcoal mixed with their food—mired meal and potatoes. They had also a plentiful supply of broken charcoal in their pen. The eight were killed on the same day, and there was a difference one and one-half pounds each in favor of the fowls that had been supplied with charcoal, they being much the fatter, and the meat being superior in point of tenderness and flavor."—Ex.

ARE YOU INTERESTED

We carry a large list of the best farms in Madison County, Ala. Please write us for booklet and list of farms we have for sale.

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DONALDSON'S S. C. RHODE ISLAND REDS

Just won six firsts, four seconds and two specials at the Alabama State Fair and Georgia State Fair. High class exhibition and breeding stock. Extra fine cockerels. Eggs from champion winners, small mating, \$5.00 per fifteen. Utility, \$1.50 per fifteen.

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Old time favorites. Great layers. Quick to mature. Hardy from start to finish. Very popular. Ask questions about "Brown Beauties."

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CHAMPION BARRED ROCKS

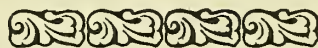
Make a clean sweep at the Kentucky State Fair of 1st, 2d and 3d cock, 1st, 2d and 3d hen, 2d, 3d, 4th and 5th cockerel, 1st and 3d pullet, 1st pen, \$10 gold special, and the Industrious Hen Cup, over all varieties in the show. At the Tri-State Fair, Memphis, Tenn., I won 2d and 5th cock, 5th hen, 2d cockerel, 5th pullet, 1st pen, two silver cups for Southern States Champions on cockerel and pen. I am the only breeder to win in all five exhibition classes. Choice cockerels and pullets fit to win in any competition or high class breeders.

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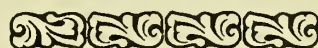
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ENTIRE FLOCK OF PRIZE WINNING S. C. W. ORPINGTONS; NOTHING RESERVED. Owing to leaving this place, we are offering our birds at a great sacrifice. This is the chance for some one to "start right" in the poultry business. These birds are out of first prize cockerel, Coliseum, Chicago, 1911, and any one who has followed our show record knows what our birds have done. Do not delay but write for prices immediately. Will sell as a whole or singly.



CHRISTOPHER S. SWIFT,

Jeffersontown, Ky.

Popular Talks on Law

By **WALTER K. TOWERS, A. B., J. D.,**
of the Michigan Bar

ASSAULTS AND BATTERIES.

Many are the happenings of everyday life that might under strict rules of law, be held to be assault and battery, if the persons involved chose to bring the matter to the attention of a court. Enough are taken up by aggrieved parties, who choose to press their claims before the law, to make actions for assault and battery frequent indeed. So, an action for assault and battery is likely to happen within the experience of any of us. The victim of more than one "practical joke" has failed to view the matter as a "joke" and recovered damages against the joker, whom the law held to be guilty of an assault and battery. Not infrequently an angry assailant, though he fails to reach the man upon whom he would vent his wrath, finds that he must pay damages to the person whom he failed to touch, because he has committed a technical assault. So, too, the fist fight of ancient origin brings forth an action for assault and battery—civil or criminal.

A criminal action is one undertaken by the public prosecutor—though possibly at the instance of the aggrieved party—to punish the offender for his affront to the peace and dignity of the State in creating a disturbance. The action is taken in the name of the State, and if the offender is found guilty the result is punishment—a fine, which the State receives, or imprisonment. The civil action, on the other hand, is a private action taken by the aggrieved party, in which he moves in his own name by his own attorney. If he is successful he recovers damages to recompense him for the injuries he has suffered, and these are paid to him. The same fist fight may be both a crime against the State and a private wrong against the individual. The State may punish the aggressor for his crime against its peace and dignity, and the private citizen also bring a separate and distinct private suit in his own behalf to recover damages. It is the private action by the individual to secure recompense for the injuries he has suffered that is of most immediate concern to the average individual, and it is the circumstances that give rise to this civil action that we will discuss here. The grounds of criminal liability are not dissimilar, in most States, though a criminal conviction for assault and battery is more difficult to secure than damages in vindication of a private wrong.

Though generally used together assault and battery are two distinct things. There may be an assault without any battery, though a battery is usually accompanied by an assault. Thus Mortin was walking along the footpath by the side of the road, when Shoppee, who had threatened him in the past, came riding from behind, mounted on his horse. Shoppee rode straight at Mortin in a most threatening manner, and Mortin, by desperate running, just managed to keep ahead until he could turn into the garden gate. Shoppee sat his horse without inviting Mortin to come out and be "licked." Mortin sued Shoppee for assault and recovered, although he had not been touched. These hostile demonstrations, which threaten immediate bodily harm to another and put him in reasonable fear of his personal safety amount to an assault, in law, although the assailant does not succeed in touching the person attacked.

A frequent instance of assault is where one man starts in the direction of another shaking his fists with every apparent intent of attacking him, but is checked and held by bystanders before he can reach his intended victim. This action amounts to an assault in law and the person against whom the attack was directed may bring civil suit and recover damages against the aggressor. True, these damages will not be large where no substantial injury has been inflicted, but even where no injury or damage of any nature can be shown nominal damages—six cents—will be awarded as vindication, and the assailant will be required to pay the cost of suit.

Pointing a loaded revolver at another, or making hostile demonstrations with any weapon, is an assault. Pointing a revolver may still amount to an assault though the weapon be not loaded, provided that the person threat-

ened is not aware of this fact. The courts of Alabama, Indiana, Oregon and Texas have ruled that pointing an unloaded revolver at another does not amount to an assault; but in Iowa, Kansas, Massachusetts, New York and Tennessee it has been held to be an assault.

The essential idea of an assault lies in the attempt, real or apparent, to do harm. The attempt need not be real; it is sufficient if it is apparent, and appears to be real. The intent to produce an assault is not necessary if the action of the attacker was hostile and produced genuine fear.

The words or circumstances accompanying a threatening gesture may be such as to show to a reasonable person that no harm is imminent. The man who says, "If I were not in my Sunday suit I would lick you," and shakes his fist, is not guilty of an assault. His words deny the implication of an immediate threat. Neither do preparations to commit an assault amount to an assault. To amount to assault there must be some physical effort to carry the attack into effect. In a case where one was held liable for shooting a gun in the direction of others, "as a joke," as he explained it, the judge said: "Those who shoot at their friends for amusement ought to warn them first that it is mere sport."

Battery is added to assault when the assailant so far accomplishes his purpose as to reach the person of the victim. To touch another in anger, though in the slightest degree, or to use violence against another to rudely force a passage, is, in law, a battery. If one strikes another with hostile attitude, though it be but the weight of his little finger, it is as truly a battery as though he struck him a dozen blows with great force. In the latter case, of course, greater damages would be awarded to the injured party. Battery has been defined as the unpermitted application of force by one to the person of another.

Many are the instances of assault and battery. If one strikes another in anger the case is clear. One who rudely and unnecessarily jostles another is guilty of assault and battery. The party jostled, may, if he desires, sue in civil action for assault and battery, and recover damages. Of course it is not every bit of jostling and pushing that occurs in a crowd that amounts to an assault and battery, but only that which is inexcusable and unnecessary. An overseer of poor who cut the hair of an inmate of the poor farm, contrary to his will, and without authority of law, was held liable as for assault and battery.

The body of the person assaulted need not be touched in order to constitute a battery. It is enough that the clothing be touched. If you knock a man's hat off you have committed a battery. That it was intended as a joke is no defense if the person injured did not willingly submit to the joke and does not choose to treat the matter as a joke. An assault is none the less such because it was committed to have fun during the merry season of Christmas, or at any other time of gaiety and carnival.

An assault and battery may be committed by touching that which supports a person, as well as his body or clothing. If you pull the chair from beneath a man, it is an assault and battery. If you drive a wagon against the buggy in which he is riding, hostilely and unnecessarily, that is an assault and battery.

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==RHOM BROS. QUALITY BUFF AND PARTRIDGE ROCKS==

Winners at Hamilton, Ohio; Springfield, Ill.; Cincinnati, Chicago, Indianapolis and other shows. Won twenty-two silvers cups in hot competition. Eggs now one-half price. R. D. No. 3, Fountaintown, Indiana.

Patterson Farm White Plymouth Rocks

are ready to win. If you need a Cock, Hen, Cockerel, Pullet or Pen to show, write me and receive my prices by return mail. Fine large breeding and utility Cockerels at \$3.00 and \$5.00 each. Splendid Pullets at \$2.00 and \$3.00 each. Satisfaction always guaranteed.

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Coming Attractions

B. F. KEITH THEATER—Keith Square, Fifth and Walnut Street.

Sylvester Schaffer, "The man who does everything," heralded as the world's greatest genius, will be the headline attraction of the show for the week of December 6th. In New York Schaffer broke all the records established by Mme. Sarah Bernhardt, and he is reported taking every city by storm. This genius of versatility will offer ten headline acts in his own person. The bill surrounding Schaffer will include Dan Bruce and Margo Duffet Company in "A Corner in Wireless," a sensational scenic comedy playlet; Mack and Orth, in "The Wrong Hero;" Max and Mabel Ford, of the famous Four Fords; Julia Curtis, the comedienne with the many voices; The Meyako Sisters, Japanese singing girls, and others. Attractive holiday bills are being prepared for the week of Dec. 13th, 20th and 27th.

GAYETY THEATER—Jefferson near Fourth. Drama and Musical Comedy.

Mail orders given special attention. For further information address C. T. Taylor, Manager.

Dec. 6th—"Blindness of Virtue."
Dec. 13th—"John Bunny."
Dec. 20th—"Smart Set."
Dec. 27th—"Bringing up Father."

MARY ANDERSON THEATER—Fourth and Chestnut.

Real Stage Stars in Great Photoplays, afternoon 10c; night 10c-20c.

Nov. 29, 30—Dec 1—Ethel Barrymore, in "The Nightingale."
Dec. 2-3-4-5—"Little Lord Fauntleroy."
Dec. 6-7-8—"The Winsome Widow."

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ROOSTER 5 lbs.
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If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

Charleston (W. Va.) Show.

Mr. J. C. Byrd, secretary of the Charleston, W. Va., Poultry Association, is out for the "biggest and best" poultry show in the entire South for 1915 and judging from the progress made by this wide-awake organization in the past, they will accomplish what they have set out to do. Big poultrymen everywhere are looking for shows with large attendances rather than the one that gives the "prettiest loving cup," and with this in mind last year, Mr. Byrd went after the "crowd" and he succeeded far beyond the expectations of the most optimistic. The paid attendance at their 1914 show, held January 8-14, was over 5,000. The show was cooped and fed by Spratt's Patent, Ltd., of Newark, N. J., and the association has for this season purchased their own coops and will be prepared to accommodate twice as many birds as last year and from present indications both entries and attendance will be doubled this year.

The success of the Charleston show is not "luck" but "pluck and persistence" on the part of the secretary and members of the association and this same pluck and persistence insured the success of the 1915 show. Mr. Byrd attributes this success to hard work and advertising.

Great Western Ohio Show.

The sixth annual Great Western Ohio Show will be held in the new Armory in Eaton, Ohio, January 25-30, 1915. Five previous shows have been held under this management demonstrating that rousing successful shows can be held by square dealing with the exhibitors and barring those who are not square from the association and their shows. The 1914 show was a rousing success at which over one hundred silver cups were given away and with 1,000 birds present. This year will see over one hundred cups given away, proving our claim as the world's greatest silver cup show. We expect the largest show of the Central States this year, in the best show room of the country. We will coop your birds in uniform cooping. Premium list will be off the press December 1st. Let the secretary put your name on the list to receive one as soon as out. Address Great Western Ohio Show, W. H. Stephen, assistant secretary, Eaton, Ohio.

Notice to Show Secretaries.

The American Buttercup desires to call your attention to the fact that it has made a change in the ribbons it is offering to its members, and instead of the ribbon offered in the annual catalogue, it offers the following: Ribbons for best shaped male and female; best colored male and female and best male and female comb, six ribbons in all at all shows between the dates of November 1 and March 1, of the show season.

G. A. WILLIAMS, Secretary,
American Buttercup Club.

The Cleveland Show.

It appears now that there will be but one show at Cleveland this year, that of the Cleveland Poultry Breeders Association, January 5-9. This association is composed of hustling poultry breeders, who have previously held two successful shows in Cleveland, and the coming show promises to be the largest and best of all. It will be held in Gray's Armory. The Ohio State University will make a practical poultry display in connection with the show. Dr. R. H. Lindhorst, corner West Twenty-fifth and Clark avenue, is secretary.

The Bucyrus Show.

The annual show of the Ohio Poultry Breeders Association will be held at Bucyrus, De-

cember 14-19. The A. P. A. medals will be offered here, as well as liberal cash and other special premiums. Send for premium list. E. G. Reid, secretary.

Defiance Poultry Show.

The Defiance Poultry Show is becoming one of the leading show events of northwestern Ohio. This year they are offering larger cash prizes than ever, and a large assortment of cups. George H. Northup will judge. Send to the secretary, Geo. E. Miller, 1022 Wilhelm street, for premium list.

Illinois State Show.

Entries for the Illinois State Poultry Show to be held at Springfield, Ill., January 4-9, 1915, will close December 19. If you have not already received a catalog write at once to Secretary Theo. S. McCoy, Golconda, Ill. The \$100 Championship Stakes for all varieties of poultry, ducks, geese and turkeys offer the largest premiums ever given for poultry.

Our sales department, under Theo. Bates, as superintendent, will look after the sale of specimens for all exhibitors without cost to buyer or seller. We invite you to make use of this department. Last year we had inquiries for varieties we could not supply.

The State meetings of the Buff Rocks, S. C. Black Minorcas and S. C. White Leghorns will be held at Springfield and substantial cash prizes have been offered for these and any other State meetings that may be held there.

The National White Wyandotte Club.

The National White Wyandotte Club is without question the largest poultry specialty club in the country. At our last annual meeting, held at Cedar Rapids, Iowa, where there was a large and enthusiastic attendance, the following officers were elected:

President, L. J. Demberger, Stewartsville, Indiana.

Vice-President, W. R. Graves, Roselle, Illinois.

Secretary-Treasurer, A. J. Gies, Delmar, New York.

Executive Committee:—A. J. Smith, Cedar Rapids, Iowa; F. B. Williams, Naugatuck, Conn.; E. E. Mack, Thomasville, Georgia; J. W. Andrews, Dighton, Mass.; J. S. Martin, Port Dover, Ontario.

The National White Wyandotte Club will offer a set of five handsome ribbons at every show in the United States and Canada desiring same; these ribbons to be competed for by club members only. Show Secretaries should write at once for the ribbons.

The club will also offer \$100.00 special money to be competed for by club members at its next annual meeting, and will offer

\$50.00 at each of four different shows in different parts of the country. Handsome silver cups will also be offered in each State where there are ten or more members, and this means in practically all the States.

The 1914 Year Book is now ready to mail. The club is making very rapid strides and has members in forty-four States, and Canada and Cuba. The Year Book contains eighty-four pages; is printed on the best paper to show up the illustrations and the text, and has many items of interest that will prove helpful to every White Wyandotte breeder. The Year Book will be sent free to all White Wyandotte breeders who will apply to the Secretary-Treasurer for a copy of same.

Membership in the National White Wyandotte Club costs but \$1.00 a year, and breeders remitting this amount now will receive a paid up membership to October 1, 1915. I will be glad to furnish further information or application blanks. Yours very truly,

A. J. GIES,
Secretary-Treasurer.

Make a good winning at the Kentucky State Poultry Show, Lexington, January 4-9, 1915. It will help you.

Leg Bands — Complete line — all styles and colors. Aluminum bands with turned over edges — celluloid colored number stripes. Leader adjustable: 12, 25c; 25, 50c; 50, 1.10; 100, 2.00; 500, 8.50. Post-paid. Also sealed and double clinch bands. Write for catalog. Samples free.

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TODD'S SHOW YOU WHITE WYANDOTTES

have demonstrated in the laying contest and the show room that there is none better. These blood lines will start you right. Stock for sale.

S. L. TODD,
GREEN FOREST, ARKANSAS
State Sec'y National White Wyandotte Club

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Costs less than netting. Lasts 5 times as long. Is stock-strong and rust-proof. Bottom wires only one inch apart. No top or bottom boards needed and fewer posts.

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150 Styles for Poultry, Stock, Lawns and Cemeteries. Gates to match. Send now for Catalog.

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MEYERS BLACK LANGSHANS

Still winning. Won at Memphis, Tenn., the largest show of the South, in a hot class, 3d cock, 2d, 3d and 4th hen, 2d cockerel, 3d pullet and 1st pen; silver cup for the best pen from the State of Missouri. I only lacked one point winning as many points as all my competitors combined. If the best is what you want, write me tonight and get my prices. Cockerels from \$2 up. I also have some fine hens and pullets for sale. Show birds a specialty. Yours for Langshans.

W. A. MEYER,
BOWLING GREEN, MO.

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I have the finest squab breeders in Corneax, exhibition Homers, Show Homers, and Racing Homers. I guarantee to please you or refund your money. Write me your wants. Prices reasonable.

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SINGLE COMB WHITE LEGHORNS—LAWSON'S BLUE RIBBON EGG MACHINES

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WHITE HILL POULTRY FARM,

A. J. LAWSON, PROP. ROUTE NO. 4, BOX NO. 200 CLEVELAND, TENN.

Just say you saw it in The Industrious Hen.

SHOW DATES.

San Antonio, Tex.—Nov. 3-8. Geo. Loessberg, secretary, Postoffice Box 497; H. B. Savage, judge.

Shreveport, La.—Nov. 4-11, 1914. Louis N. Brueggerhoff, secretary; McCord, judge.

Houston, Tex.—November 9-14. W. F. Krah, secretary.

Houston, Tex.—Nov. 9-14. J. W. Good, secretary.

Hot Springs, Ark.—Nov. 16-21. W. W. Waters, secretary.

Honey Grove, Tex.—Nov. 17-19. W. E. Morris, secretary; R. A. Davis, judge.

Bennettsville, S. C.—November 18-20, 1914. R. Crosby Newton, secretary and treasurer.

Arlington, Tex.—Nov. 17-19, 1914. C. P. Van Winkle, judge; W. J. Pulley, secretary.

Lake Charles, La.—Nov. 23-28. H. K. Ramsey, secretary; C. P. Van Winkle, judge.

Jennings, La.—Nov. 24-28. H. Floyd Midkiff, secretary; C. P. Van Winkle, judge.

Darlington, S. C.—November 25-27, 1914. Loring Brown and Mrs. Florence Forbes, judges; Harry Lee Harlee, secretary.

Stamford, Tex.—Nov. 25-28. Bruce Meadows, secretary; Walter Burton, judge.

Stephenville, Tex.—Nov. 26-28. W. T. Graves, president.

Niagara Falls, Canada—November 30 - December 4, 1914. Judges, McNeil, A. O. Schilling; Wilfred E. Sears, secretary.

Muskogee, Okla.—Official show Oklahoma State Poultry Federation, Nov. 30 to Dec. 5. A. G. Harmon, secretary; Van Winkle, Keeler and Dipple, judges.

Butler, Mo.—November 30 - December 3, E. C. Branch, judge; Edson Snyder, secretary.

Austin, Tex.—Dec. first week. Mrs. M. D. Carr, secretary; Hutchison, judge.

Hollis, Okla.—Dec. 3-5. B. B. Bell, secretary; A. T. Modlin, judge.

Amarillo, Tex.—Dec. 3-8. Dr. R. D. Gist, secretary; Walter Burton, judge.

Cleburn, Tex.—Dec. 8-11, 1914. C. P. Van Winkle, judge; Edwin S. Clayton, secretary.

Wooster, Ohio—December 8-12, 1914. Judge Faulkner; A. H. Smith, secretary.

Alexandria, La.—Dec. 9-13, 1914. C. P. Van Winkle, judge; W. H. McCrackin, secretary.

New Braunfels, Tex.—Dec. 10-13, 1914. Alex Forke, secretary.

Spokane, Wash.—December 15-19, 1914. James A. Tucker, judge. Mrs. H. A. Klussman, secretary.

Rockdale, Tex.—Dec. 16-19, 1914. Mrs. D. H. Sanford, secretary; Walter Burton, judge.

Charlotte, N. C.—December 20-31, 1914, January 1-2, 1915. Walter R. Byford, secretary.

Charleston, W. Va.—January 2-9, 1915. R. L. Simmons, judge. Julian C. Byrd, secretary.

Marion, Ind.—December 2-12. Earl Hemmenway, judge. N. F. Hazlett, president; Frank Sherwin, secretary.

Madison, Wis.—January 4-8, 1915. Judges, G. W. Hackett, D. E. Hale and W. E. Stanfield. J. G. Halpin, secretary.

Hutchison, Kan.—Jan. 5-9, 1915. W. B. Powell, secretary; D. T. Heimbich and J. J. Atherton, judges.

Kansas City, Mo.—January 11-16. Judges, T. W. Southard, V. O. Hobbs, G. D. McClaskey, E. W. Rankin and A. J. Meyer.

E. L. Noyes, secretary.

Corpus Christi, Tex.—Jan. 14-16, 1915. L. E. Thom, secretary.

Murphysboro, Ill.—December 15-18, 1914. O. G. Rawlings, secretary.

New London, Ohio.—January 19-23, 1915. G. Z. Darby, secretary.

The winning, which is a most unusual one of itself, is made the more extraordinary by the fact that the Pratt Food Company entered only twenty-two birds, every one of which received a winning ribbon. The classes were very large and the quality of the birds competing against them was exceptionally high. They represented the choicest selections by the most noted Minorca breeders in the country. Thus, the Pratt Food Company entry was a very small percentage of the total number exhibited. As a result congratulations by the score are being received by the Pratt Food Company, which is also the manufacturer of Pratt's Poultry Regulator and Remedies and the wonderful Pratt's Baby Chick Food.

In detail the winnings were as follows:
Rose Comb Black Minorcas—Cocks, first and second; hens, first and second; cockerel, first; pullet, first; pen, first.

Single Comb Black Minorcas—Cocks, second; hens, first; cockerel, first and fifth; pullets, first and fifth; pen, second.

The hen winning the first in this class is the same bird which won the first and Fancier's

Cup for being the best bird in the entire Mediterranean class at the Allentown, Pa., fair. The judges at both fairs regard her as an almost perfect specimen of the Single Comb Black Minorca.

In the White Rock class, the Pratt Food Company entered a pen of their birds and won a first. No entries in singles were made in this class.

In this issue Edinger & Co.'s advertisement will be found, this firm are extensive Hay, Grain and Feed dealers. Arrow Brand Poultry and Pigeon Feeds is the result of Mr. Edinger's long study and dealings in these particular goods—they have a very large plant, well equipped to turn out Arrow Feeds and splendid shipping facilities. Their attractive Trade Mark Brands is distinctively individual and we are told by the firm that the sign of the Arrow will be their stamp of Purity, the symbol of the best that is made, we are sure you will find Arrow Feeds everything this firm claims. Write them your wants.



Lily White II, Score 96, Blue Ribbon Winner. Note the low tail and concave back. Bred, owned and exhibited by A. J. Lawson, Cleveland, Tenn.

Overcoming the strongest kind of competition like the Boston Braves, the Pratt Food Company's Experiment Station, of Philadelphia and Morton, has made a clean sweep of every possible first and second in Rose Comb Black Minorca class at the big poultry show at Hagerstown, Md., fair, and also won three firsts out of a possible five in Single Comb Black Minorcas.

COCKERELS FOR SALE

S. C. White Leghorns, S. C. Black Minorcas, 75c, \$1.00, \$1.50 each.

ALEX RAY, Jr., Valley View, Kentucky

POULTRY Ducks, Geese, Turkeys, Pigeons and Dogs. We are the most extensive producers of thoroughbred poultry in the world. Our fowls have won the leading prizes at America's largest Fairs and Expositions. Breeds are reared on separate farms. Send ten cents for Color Plate Poultry Book and price list. It tells how to make money with poultry; how to build poultry houses; how to hatch and rear chicks; how and what to feed for eggs. Every fowl shipped is selected by Expert Licensed Poultry Judges.

UNITED POULTRY FARMS, BOX HOPE, IND.

ROYAL GREEN S. C. BLACK MINORCAS and ORPINGTONS

can readily furnish anything needed from a good utility bird to one that will be in the money at any show. **QUALITY** the best. **PRICES** reasonable. Write today.

"Originator of Royal Green Strain."

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Pure Fishel Strain. We offer you both young and old stock at reasonable prices. All sired by our \$500 cock "Snowball." Send us your order, for we guarantee satisfaction or money refunded. Write for prices and description.

THE WHITE ROCK POULTRY FARM, LEESBURG, FLORIDA

QUALITY FIRST



MADE FROM PURE
RECLEANED GRAIN
WRITE FOR SAMPLES

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Pure bred, large farm Raised Bourbon red Turkeys Toms or Tries. Low prices for December orders. H. T. MOSELEY, Box 21, Station A. Knoxville, Tenn.

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4 Females and 1 Male for sale at a bargain.

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MADE TO SUIT THE CONDITIONS IN THE SOUTH

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A Machine that is hatching big per cent of Ducks and Chickens. It is absolutely free from smoking or catching on fire.

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Swings and Locks into position when wanted. Swings out of way when not in use. Strong, Staunch, Solid. Does not vibrate. Oak Top 14x18. Black Enameled Metal parts. By Parcel Post. \$3.50 anywhere in U. S.

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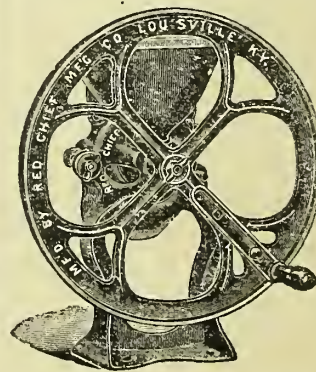
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Grinds Fastest, Runs Easiest, Lasts Longest Extra Hard Burrs, Grinds Dry Bone, Shells, Nut Hulls, Chicken Feed, Graham Flour, Coffee, Spice, Peas, or any small dry grain

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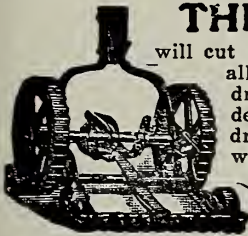
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Cockerels and Pullets Oct.
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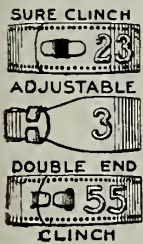
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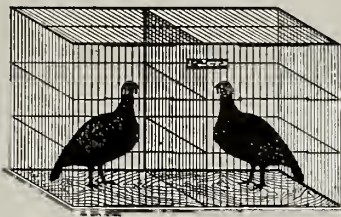
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World's Champion Business Birds, Exhibition Quality. Clayton's Birds are again to the
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If you intend starting in the poultry business and have but limited
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Land at \$15 an Acre up

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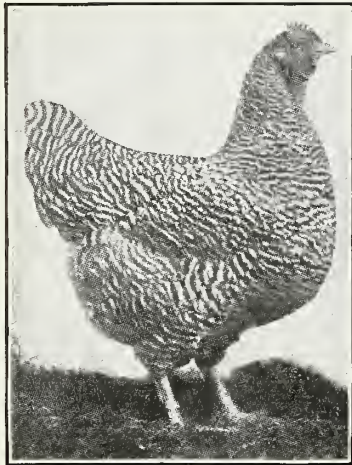
Buff Orpingtons 1st Cock, 1st and 2nd Cockerels, 1st and 2nd Hens, 1st and 2nd Pullets.

White Plymouth Rocks 1st and 4th Pullets, 2nd Cockerel, 2nd and 5th Hen.

Rhode Island Reds 2nd and 4th Cockerels.

I can still supply a good lot of birds, fit to win at any show, at war-time prices. Also a grand lot of breeders. Eggs for hatching and day old chicks. Address.

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"ASK THE JUDGES"

What O. B. Andrews' Famous Efficiency Strain Barred Plymouth Rocks and S. C. White Leghorns accomplished at the Great Memphis Tri-State Show, October 3rd, and they will tell you that my exhibit of 52 birds was one of the finest displays ever cooped.

My record was truly a magnificent one in the strongest competition ever seen in the South. The Leghorns and Barred Rock entries were the largest ever seen south of the Ohio River. Just ponder for a moment on one breeder at such a show winning the following:—

1st White Leghorn Cockerel, 1st Barred Rock Cockerel. Medal for Champion Leghorn Male—Cup for best cockerel exhibited from State of Tennessee, also 5th Leghorn Hen, 2nd Barred Rock Hen, 3rd Exhibition Pen. Every bird was bred and raised at Efficiency Strain Farm.

I can't win at all the shows because I can't make them. I pick the best, however.

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Breeding stock—exhibition birds on hand at all times.

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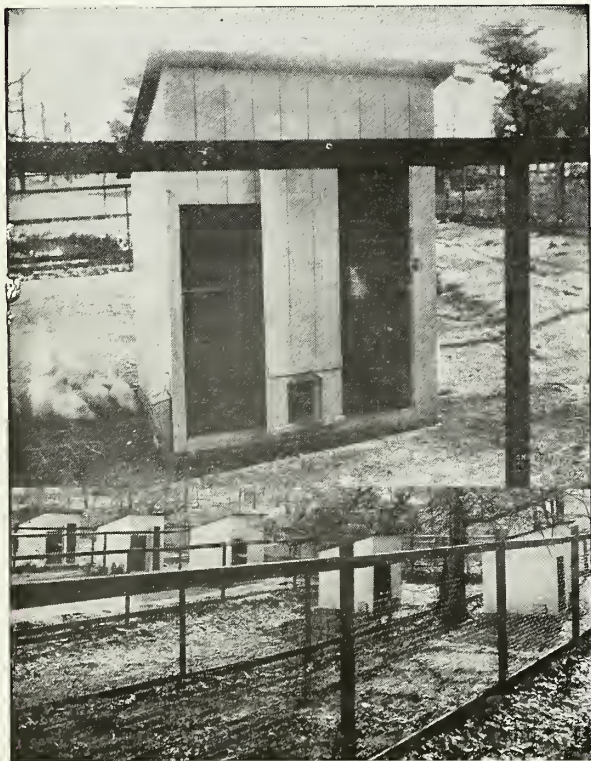
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